



Roots & Tales

High-Level Feasibility Study

Submitted to:

The Ministry of Digital Economy and Entrepreneurship

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Founders and investors considering this project are advised to conduct further analysis on projected adoption rates, development costs, and ongoing operational expenses. This additional scrutiny will help mitigate potential risks related to technology challenges, changes in regulations, market penetration, and competitive pressures.

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A National Entrepreneurship Policy Project



Ministry of Digital Economy
and Entrepreneurship



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Table of Contents

Table of Contents	1
Table of Tables.....	1
Table of Figures.....	2
Executive Summary.....	3
1. Introduction	4
2. Market Analysis.....	4
3. Business Model.....	5
4. Technical Analysis	8
5. Financial Analysis.....	11
5.1 Financial Study Assumptions.....	11
5.2 Financial Study:	12
5.2.1 Projected Working Capital	12
5.2.2 Project Initial Cost.....	12
5.2.3 Projected Income Statement	12
5.2.4 Projected Free Cash Flow Statement.....	14
5.3 Sensitivity Analysis.....	14
6. Integration with Other Sectors	15
7. Entrepreneur Persona.....	16
8. Stakeholders.....	16
9. Risk Assessment.....	17
10. Recommendations	18
11. Conclusion	19

Table of Tables

Table 1: Revenue projection	7
Table 2: Cost of Goods Sold – Five Year Projection	8
Table 3: Manpower recruitment plan – five-year projection.....	9
Table 4: Manpower total cost – five-year projection	9
Table 5: Operational Expenditures – five-yea projection.....	10
Table 6: Capital Expenditures Cost – five-year projection.....	10
Table 7: Working capital projection (JOD)	12
Table 8: Initial Cost Summary (JOD)	12

Table 9: Projected Income Statement (JOD)	12
Table 10 : Free Cash Flow (FCF) Projection (JOD)	14
Table 11: Sensitivity analysis outcomes.....	15

Table of Figures

Figure 1: Product Mix by Quantity	7
Figure 2: Product Mix by Revenue	8
Figure 3: Gross vs Net Profit Margin	13
Figure 4: Return on Investment	13

Executive Summary

Roots & Tales is a start-up designed to connect Arab children in the diaspora, aged 4-10, with their cultural heritage and Arabic language through immersive storytelling and interactive educational activities. The app combines traditional Arab and Jordanian tales with modern technology to offer a range of services including interactive story-based language learning, live virtual storytelling sessions, a multimedia story library, and one-on-one conversational Arabic sessions led by tutors.

The global language learning application market size was USD 3.147 billion in 2021 & the market is expected to reach USD 16.63 billion in 2031, exhibiting a CAGR of 16.38% during the forecast period¹. Driven by technological advancements and increasing demand for innovative learning solutions. According to official United Nations data, approximately 20 million MENA citizens live abroad, representing 5 percent of the population of the region, a much larger proportion than the world average.² Roots & Tales is well-positioned to capture market share by offering tailored educational services that foster cultural and linguistic connections for Arab families in the diaspora. The primary services offered include a subscription-based learning program with access to learning modules and stories, weekly virtual events and storytelling sessions, and one-on-one virtual tutoring for language immersion and practice.

Roots & Tales will leverage advanced educational techniques and multimedia resources to deliver a comprehensive learning experience. Financial projections indicate strong profitability, driven by the growing demand for culturally relevant educational content and the increasing adoption of mobile educational applications. The business model anticipates substantial revenue growth through subscriptions, virtual events, and tutoring services, with a focus on scalability and user engagement.

Key recommendations for successful implementation include developing a user-centric app design, following a lean approach for product and content development, building strategic partnerships, launching targeted marketing and educational campaigns, and continuously investing in research and product development to stay ahead of technological advancements.

¹<https://www.businessresearchinsights.com/market-reports/language-learning-application-market-102456>

² Malouche, Mariem; Plaza, Sonia; Salsac, Fanny Sophie Claire.

Mobilizing the Middle East and North Africa diaspora for economic integration and entrepreneurship (English). Washington, D.C. : World Bank Group.
<http://documents.worldbank.org/curated/en/251661484064811210/Mobilizing-the-Middle-East-and-North-Africa-diaspora-for-economic-integration-and-entrepreneurship>

I. Introduction

Roots & Tales is an innovative mobile application designed to connect Arab children in the diaspora, aged 4-12, with their cultural heritage and the Arabic language through conversational Arabic language learning, covering vocabulary, grammar, pronunciation, listening, and speaking, while integrating cultural education to provide insights into Arab customs, traditions, and history. Interactive language lessons immerse children in Arabic vocabulary and pronunciation, and multimedia resources enhance comprehension through visual and auditory stimuli. Live virtual sessions with skilled storytellers and Arabic language tutors foster a sense of community and shared cultural experience, making the learning journey both fun and meaningful. The app also personalizes the learning experience with adaptive algorithms, user profiles, and ideas for family participation activities.

The inspiration behind Roots & Tales springs from the recognition of a critical need within diaspora communities worldwide. As globalization accelerates and cultural identities face new challenges, many families seek meaningful ways to transmit their cultural heritage and language to younger generations. This application not only addresses this imperative but also transforms it into an engaging and interactive learning journey.

The pedagogical framework of Roots & Tales combines best practices from constructivist learning, cognitive load theory, multisensory learning, gamification, communicative language teaching, spaced repetition, and social learning theory. By incorporating interactive storytelling, live sessions with native speakers, and culturally rich activities, the app ensures a holistic and engaging approach to language acquisition and cultural preservation. This comprehensive educational strategy helps children develop a deep connection to their roots while becoming proficient in the Arabic language, catering to diverse learning styles and preferences.

2. Market Analysis

The market size for Roots & Tales is poised for substantial growth within the rapidly expanding sectors of educational and language learning apps. The global education apps market is projected to grow significantly, with an anticipated increase of USD 4.18 billion between 2023 and 2028, accelerating at a compound annual growth rate (CAGR) of 11.78%³. This growth is driven by government initiatives for digital learning, rising demand for STEM-based education apps, and the increasing popularity of game-based learning. According to global growth insights, the Apps for Kids market reached a valuation of USD 812 Million in 2023 and is expected to soar to USD 1652 Million by 2031, reflecting a CAGR of 26.71% from 2023 to 2031⁴.

³ <https://www.technavio.com/report/education-apps-market-size-industry-analysis>

⁴ <https://www.globalgrowthinsights.com/market-reports/apps-for-kids-market-100707>

This sector's expansion is fuelled by technological advancements, heightened consumer demand for innovative educational solutions, and strategic investments by key market players.

Moreover, Roots & Tales has a significant target demographic in the Arab diaspora, which has been growing rapidly. As of mid-2020, approximately 26 million citizens from Middle East and North Africa (MENA) countries lived abroad⁵, representing about 6% of the region's total population, approximately twice as high as the world average⁶ with almost 50% of them living outside the MENA region⁷. This figure highlights a considerable market of Arab families who are potentially seeking tools to connect their children with their cultural heritage and language. The combination of a booming global market for educational and language learning apps and a sizable, dispersed Arab population creates a fertile environment for the growth and success of Roots & Tales.

Roots & Tales faces significant competition in the Arabic language learning app market, with prominent players like Lamsa, Alif Baa, Little Thinking Minds, Adam wa mishmish, Lingokids, and others besides the free YouTube channels offering educational content for Children in Arabic. These competitors offer a range of interactive and multimedia-rich content aimed at engaging children in learning Arabic. For instance, Lamsa and Little Thinking Minds are well-known for their extensive and diverse libraries of stories and educational videos, while Alif Baa focuses on foundational language skills through games. Lingokids leverages its global reach to teach basic Arabic, and Zaky and Friends integrates Islamic teachings with language instruction.

Roots & Tales offers a holistic learning experience that is primarily designed to foster a deeper connection and appreciation for Arab traditions and language among young learners worldwide, focusing on the diaspora. This niche approach distinguishes Roots & Tales as a compelling choice for families seeking to enrich their children's linguistic skills while preserving cultural identity.

3. Business Model

Roots & Tales will operate primarily on a business-to-consumer (B2C) model, offering tailored services to families with children aged 4-10 in the Arab diaspora. This approach allows for customized solutions that meet the diverse educational and cultural needs of its users.

Roots & Tales will offer three main service tiers to cater to different needs and preferences:

1. **B2C Subscription Learning Program and Digital Stories:** This subscription service provides access to a comprehensive Arabic language learning program combined with a rich library of traditional stories from the Arab World. Subscribers will benefit from interactive language lessons, multimedia resources, and engaging

⁵<https://www.un.org/en/development/desa/population/migration/data/estimates2/estimates19.asp>

⁶ <https://cadmus.eui.eu/handle/1814/27601>

⁷https://www.iom.int/sites/g/files/tmzbd486/files/2018-07/Migration-in-the-Middle-East-and-North-Africa_Data%20Sheet_August2016.pdf

cultural content designed to enhance vocabulary, grammar, pronunciation, listening, and speaking skills. The subscription model ensures continuous access to new and updated content, fostering ongoing language development through cultural content. Roots and Tales may consider bundled or discounted subscriptions for a household wishing to subscribe to more than one child.

2. **Virtual Events and Storytelling Weekly Events:** Roots & Tales will host live virtual storytelling events weekly, where skilled storytellers bring traditional tales to life. These events will not only enhance language skills through listening and interaction but also create a sense of community among participants. The storytelling sessions will be interactive, allowing children to ask questions and engage with the storyteller, making the experience immersive and enriching.
3. **1-1 and Virtual Tutoring Sessions Immersion and Practice:** For families seeking personalized language learning support, Roots & Tales will offer one-on-one and small group virtual tutoring sessions. These sessions will focus on immersive language practice and Communicative Language Teaching (CLT) enabling children to converse with native speakers and receive individualized feedback and guidance. This service is designed to accelerate language acquisition and provide a tailored learning experience that addresses specific language learning challenges and goals.

Potential Additional Revenue Streams

In addition to the primary services, Roots & Tales can explore additional revenue streams to enhance its financial sustainability and growth:

- **Premium Content and Features:** Offering exclusive access to premium stories, advanced language courses, and special cultural workshops for an additional fee.
- **Merchandising:** Selling culturally themed educational materials, books, and merchandise related to the stories and cultural content featured in the app.
- **Partnerships and Sponsorships:** Collaborating with cultural organizations, educational institutions, and heritage festivals to co-host events and workshops, creating mutually beneficial sponsorship opportunities.

The revenue projections for the first five years of the start-up show a significant increase across the three main services: **B2C Subscription, Virtual Events and Tutoring Session.** Each service shows growth in demand over the five years:

- **B2C Subscription:** Quantity demand increases from 1,500 to 7,500 subscriptions generating revenues amounting to JOD 75,000 in Year 1 scaling to JOD 450,000 in year 5.
- **Virtual Events:** the most modest revenue stream among the three with lower price points and scale, starting with JOD 8,250 revenue in year 1 and growing to JOD 16,200 in year 5.

- **Tutoring Sessions:** Starts with a smaller base but shows a consistent increase, with revenue growing from JOD 24,700 to JOD 400,000 in 5 years.

Total revenues show steady growth from JOD 108,000 in Year 1 to JOD 866,200 in Year 5, reflecting the scaling of operations and market penetration.

Itemized revenues and total annual revenues are summarized in the table below:

Table 1: Revenue projection

Description / Year	1	2	3	4	5
Projected Demand (Quantity) B2C Subscription	1,500	2,000	3,500	5,000	7,500
Price / Unit B2C Subscription	50	50	55	55	60
Sub-total B2C Subscription	75,000	100,000	192,500	275,000	450,000
Projected Demand (Quantity) Virtual Events and StoryTelling	550	720	1,080	1,080	1,080
Price / Unit Virtual Events and StoryTelling	15	15	15	15	15
Sub-total Virtual Events and StoryTelling	8,250	10,800	16,200	16,200	16,200
Projected Demand (Quantity) I-I and Virtual Tutoring Sessions	550	1,000	2,500	4,000	8,000
Price / Unit I-I and Virtual Tutoring Sessions	45	45	45	50	50
Sub-total I-I and Virtual Tutoring Sessions	24,750	45,000	112,500	200,000	400,000
Total Revenues	108,000	155,800	321,200	491,200	866,200

The following charts show the product mix by revenue and by quantity. The analysis reveals a balanced distribution between the three product lines, both in terms of quantity and revenue with B2C Subscriptions and Virtual sessions, both revealing growing demand and revenue over the years. Additionally, Virtual Events, while representing a small portion of the revenue is an added value to the product portfolio.

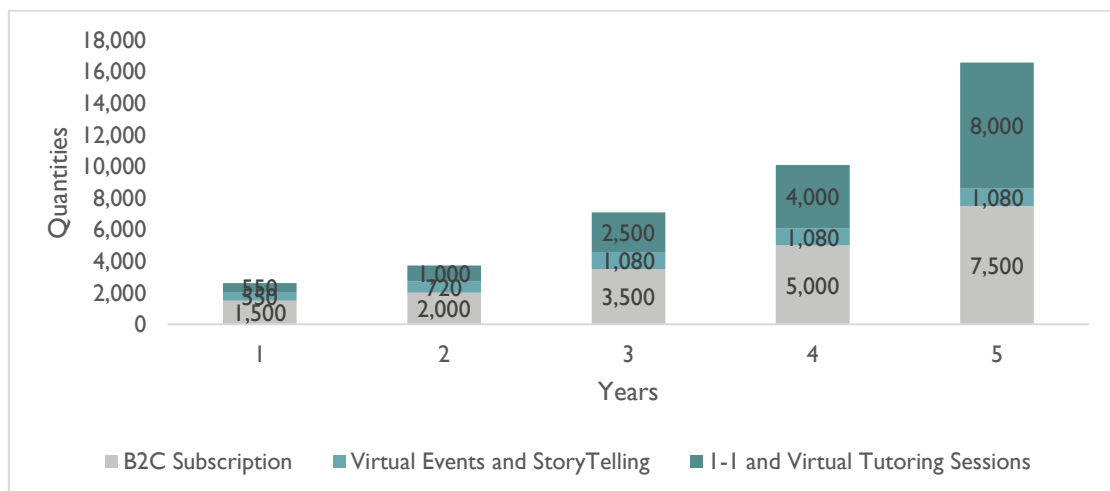


Figure 1: Product Mix by Quantity

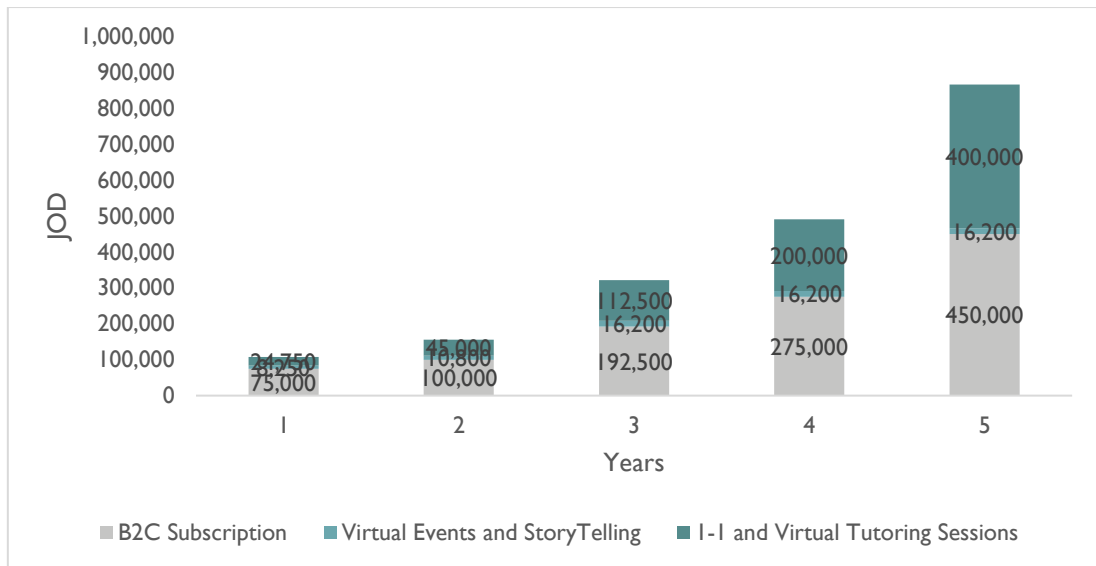


Figure 2: Product Mix by Revenue

4. Technical Analysis

The cost of goods sold (COGS) for each service are aligned with the quantity demanded, showing controlled costs across the services:

- **B2C Subscription:** There is no COGS associated with this revenue stream at least for the first years as the costs for creating the application and content are accounted for in the manpower, CapEx and OpEx. Should the founder find the need to expand the content library or mobile features necessary based on user needs and market trends, then he or she may consider either increasing the line items mentioned above from the profit margins or start calculating COGS for this service as part of the business model.
- **Virtual Events:** This service has an associated COGS of JOD 5 per participant to cover the compensation fee of the storyteller or subject matter expert delivering it. COGS start at JOD 2750 in Year 1 and increase to JOD 5,400 Year 5, tracking with the increased demand and revenue.
- **Tutoring Sessions:** COGS is set at 27% of the revenue covering the hourly rates of tutors delivering the sessions. This revenue streams starts with COGS at JOD 12,100 in year 1 and increases to JOD 176,000 in year 5.

The total COGS increased from JOD 14,850 in Year 1 to JOD 181,400 in Year 5, which is a relatively modest increase considering the growth in revenue, indicating improving operational efficiency and economies of scale.

The table below outlines the projected COGS over five years:

Table 2: Cost of Goods Sold – Five Year Projection

Description / Year	1	2	3	4	5
Projected Demand (Quantity) B2C Subscription	1,500	2,000	3,500	5,000	7,500

COGS / Unit B2C Subscription					
Sub-total B2C Subscription	0	0	0	0	0
Projected Demand (Quantity) Virtual Events and StoryTelling	550	720	1,080	1,080	1,080
COGS / Unit Virtual Events and StoryTelling	5	5	5	5	5
Sub-total Virtual Events and StoryTelling	2,750	3,600	5,400	5,400	5,400
Projected Demand (Quantity) I-I and Virtual Tutoring Sessions	550	1,000	2,500	4,000	8,000
COGS / Unit I-I and Virtual Tutoring Sessions	22	22	22	22	22
Sub-total I-I and Virtual Tutoring Sessions	12,100	22,000	55,000	88,000	176,000
Total COGS	14,850	25,600	60,400	93,400	181,400

Team composition grows gradually throughout the years, covering the following roles: CEO (acting as CTO as well), Lead engineer (starting in year 3 once product market fit is achieved and the need to deliver more sophisticated features emerges to grow user acquisition and market share), Education Expert and Arabic Language Advisor (both in year 4), Developer (starting in year 1), Media Manager (starting in year 4) and Sales & Marketing Specialist (to be hired in year 3)

It's worth mentioning that the startup will need to work with an education expert and Arabic Language advisor during inception and at the beginning of the content creation process, however, they can be engaged as consultants and then moved to fulltime employees in year 4 (or before, as needed). The expenses of hiring these two consultants are embedded in the content creation line item under CAPEX.

Table 3: Manpower recruitment plan – five-year projection

Title / Year	1	2	3	4	5
CEO (also CTO)	1	1	1	1	1
Lead Engineer			1	1	1
Education Expert				1	1
Arabic Language Advisor				1	1
Developer	1	1	1	1	1
Media Manager				1	1
Sales & Marketing Specialist			1	1	1

The table below provides an overview of human resource costs, accounting for social security and health insurance expenses. Social security contributions were computed at 14.25% of the gross salary, following the guidelines set by the Social Security Corporation.

Table 4: Manpower total cost – five-year projection

Title / Year	1	2	3	4	5
CEO	24,000	27,000	30,000	33,000	36,000
CTO			24,000	27,000	30,000

Education Expert				20,400	22,800
Arabic Language Advisor				14,400	16,800
Developer	18,000	20,400	22,800	25,200	27,600
Media Manager				20,400	22,800
Sales & Marketing Specialist			9,600	12,000	14,400
Total HR Salaries	42,000	47,400	86,400	152,400	170,400
Social Security Cost	5,985	6,755	12,312	21,717	24,282
Health Insurance Cost	2,000	2,000	4,000	7,000	7,000
Total HR Cost	49,985	56,155	102,712	181,117	201,682

Additionally, operational expenses (OpEx) related to regulatory compliance, office rental required for obtaining a license, and initial marketing efforts to introduce the service to the diaspora will be significant and based on the services provided.

Table 5: Operational Expenditures – five-yea projection

Description / Year	1	2	3	4	5
Electricity	250	250	250	250	250
Water	250	250	250	250	250asumed
Stationary	200	200	200	200	200
Rent	2,000	5,000	5,500	5,800	6,000
Digital Marketing & Advertising	10,000	20,000	30,000	35,000	40,000
Cleaning Material & Consumables	200	200	200	200	200
Hospitality Exp.	200	200	200	200	200
Legal & Accounting Fees	2,000	2,000	2,000	2,000	2,000
Sub-total OpEx	65,085	84,255	141,312	225,017	250,782
Other Costs	6,509	8,425	14,131	22,502	25,078
Total OpEx	71,594	92,680	155,443	247,519	275,860

The setup costs for Roots and Tales include a capital investment of JOD 45,000 to create and launch the app with the initial content library. The founder may decide to invest this amount in phases initially using a simple version or an MVP as a proof of concept and to verify demand. The app will then further development and additional content which requires an investment of JOD 20,000 in year one. This can also be invested in phases but should certainly be optimized using AI and other content building tools that can help minimize media production costs. As such, total capital expenses (CapEx) of JOD 65,000 are critical for establishing the necessary technology content and operational capacity to deliver the services projected early on.

Table 6: Capital Expenditures Cost – five-year projection

Description / Year	0	1	2	3	4	5
Application	20,000	5,000				
Content Library	20,000	10,000	10,000	10,000	10,000	10,000
Furniture		4,000	1,000			
Laptops	5,000	1,000	500			

Total CapEx	45,000	25,000	16,500	15,500	15,800	16,000
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5. Financial Analysis

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5.1 Financial Study Assumptions

The feasibility study is based on the following key assumptions:

Discount Rate: The study employs a conservative discount rate of 14%, reflecting a cautious approach to valuation.

Financing Structure: The project is entirely financed by equity. This conservative approach avoids the financial leverage and thus underestimates project value, given the lower cost of debt compared to equity.

Terminal Value: The project assumes a zero-terminal value at the end of year five, aligning with the study's conservative outlook.

Cash Flow Projection: Cash flows beyond year five are excluded from the analysis, focusing on the initial project phase.

Tax Rate: The assumed tax rate of 20% complies with Jordan's income tax law.

Depreciation Rate: Capital expenditure (CapEx) is depreciated at an annual rate of 20%. Any deviation from this rate may impact projected profitability but not project feasibility, as depreciation is a non-cash expense.

Working Capital Assumptions

Operational liquidity requirements are guided by the following assumptions:

Cash Reserves: The project will maintain cash equivalent to 90 days of projected annual operational expenses, ensuring robust liquidity management.

Accounts Receivable (A/R) Collection Period: The average collection period for receivables is 30 days, reflecting expected credit sales conversion into cash.

Accounts Payable (A/P) Payment Period: The average payment period for payables is 30 days, indicating the timeframe for settling supplier obligations.

Capital expenditures expected to be incurred in the first year were included as part of the initial costs of the project.

Provisions were made within the initial cost to cover any potential negative net free cash flow that may arise during the first five years of operation, if needed.

5.2 Financial Study:

5.2.1 Projected Working Capital

Table 7: Working capital projection (JOD)

Description / Year	1	2	3	4	5
Cash	17,898	23,170	38,861	61,880	68,965
Accounts Receivable (A/R)	9,000	12,983	26,767	40,933	72,183
Accounts Payable (A/P)	1,238	2,133	5,033	7,783	15,117
Net Working Capital	25,661	34,020	60,594	95,030	126,032
Change in Working Capital	-	8,359	26,574	34,436	31,002

This table shows that the net working capital needed for the project for the first year of operation is JOD 25,661, which has to increase steadily year over year to reach JOD 126,032 in the fifth year. The steady increase in the working capital comes to cover the rapid increase in the project operations and mainly the increase in the projected revenues.

5.2.2 Project Initial Cost

Table 8: Initial Cost Summary (JOD)

Description / Year	JOD
CapEx	65,000
Net Working Capital	25,661
Total Initial Cost	90,661

The project's initial cost is projected to be JOD 90,661, comprising JOD 65,000 as CapEx and JOD 25,661 as net working capital.

5.2.3 Projected Income Statement

Table 9: Projected Income Statement (JOD)

Description / Year	1	2	3	4	5
Total Revenues	108,000	155,800	321,200	491,200	866,200
COGS	14,850	25,600	60,400	93,400	181,400
Gross Profit	93,150	130,200	260,800	397,800	684,800
OpEx	71,594	92,680	155,443	247,519	275,860
Net Profit Before Tax and Depreciation	21,557	37,520	105,357	150,281	408,940
Depreciation	13,000	15,300	17,300	19,300	21,300
Net Profit Before Tax	8,557	22,220	88,057	130,981	387,640
Tax Expense	1,711	4,444	17,611	26,196	77,528
Net Profit	6,845	17,776	70,445	104,785	310,112

The projected income statement indicates that the project will generate a profit of JOD 6,845 in the first year of operation. Moreover, the net profit is expected to increase gradually over the study period, reaching JOD 310,112 in the fifth year of operation.

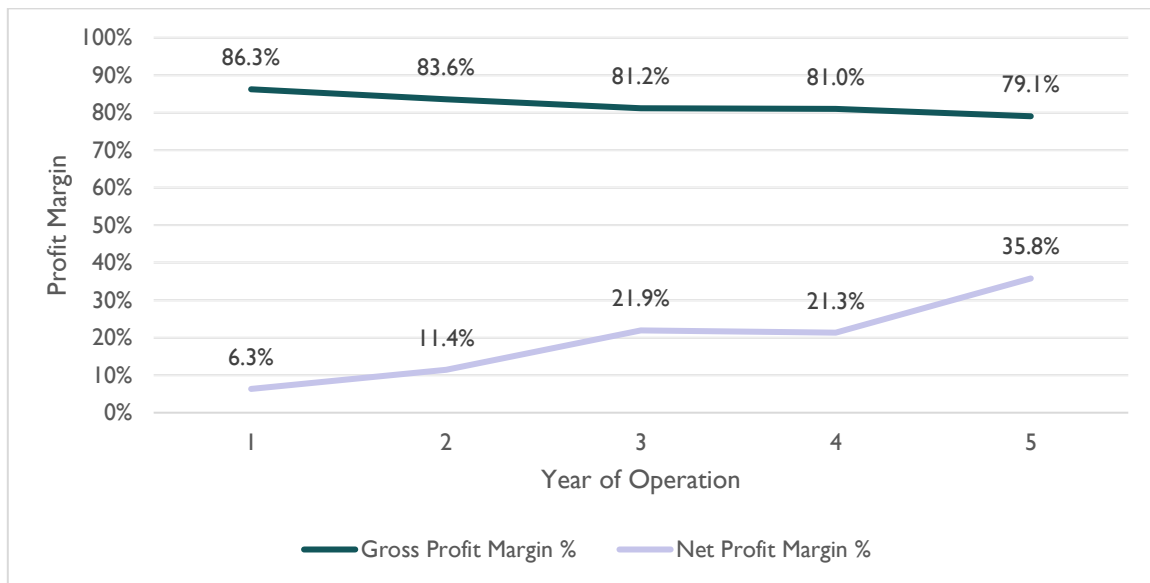


Figure 3: Gross vs Net Profit Margin

In the first year of operation, the project is expected to generate a positive net profit margin of 6.3%. The net profit margins are expected to increase gradually over the course of the study. In the fifth year of operations, the gross profit margin is expected to be 79.1%, and the net profit margin is 35.8%.

On the asset management side, the study shows that the return on investment will increase steadily from 8.0% in the first year of operation to 235.0% in the fifth year.

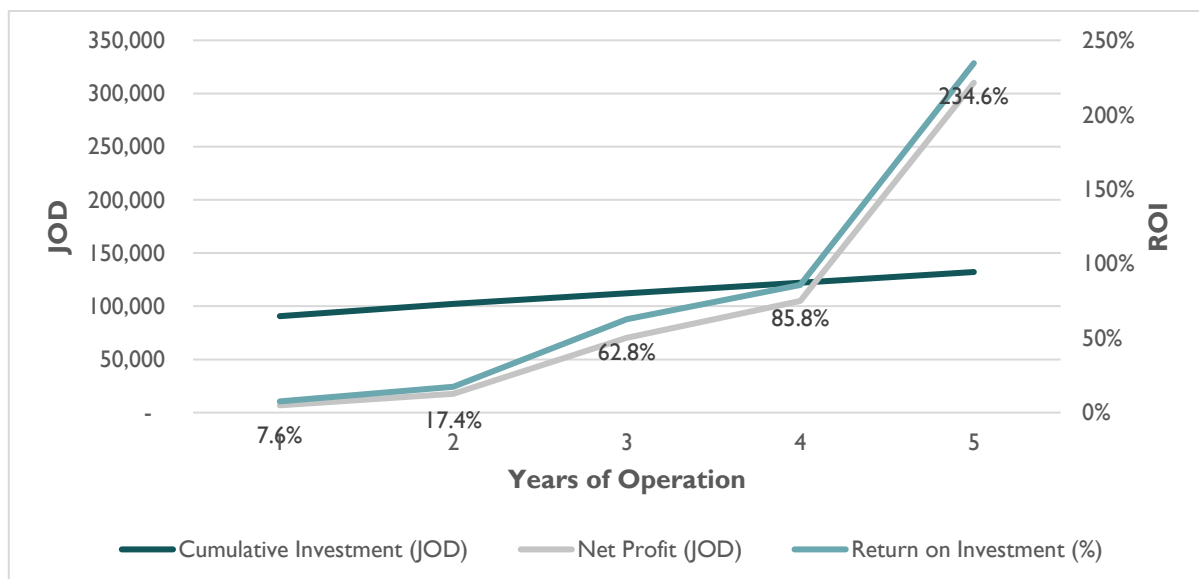


Figure 4: Return on Investment

5.2.4 Projected Free Cash Flow Statement

The table below demonstrates that the project can generate a positive free cash flow in the first year of operation, JOD 19,845. However, due to the expansion of its operations, the project will need to inject JOD 11,500 as CapEx and JOD 8,359 as working capital, resulting in the second year experiencing a drop in the free cash flow to JOD 13,217. However, the free cash flow is expected to be positive and increase gradually from the third year onwards. By the end of your five, the projected free cash flow will reach JOD 290,410.

Table 10 : Free Cash Flow (FCF) Projection (JOD)

Description / Year	0	1	2	3	4	5
Cash-In Flow						
Net Profit		6,845	17,776	70,445	104,785	310,112
Depreciation		13,000	15,300	17,300	19,300	21,300
Injected Capital	90,661					
Total Cash-In Flow	90,661	19,845	33,076	87,745	124,085	331,412
Cash-Out Flow						
Initial Cost	90,661		11,500	10,000	10,000	10,000
Changes in Working Capital			8,359	26,574	34,436	31,002
Total Cash-Out Flow	90,661	-	19,859	36,574	44,436	41,002
Free Cash Flow	-	19,845	13,217	51,171	79,649	290,410

Based on these results, the project's feasibility indicators demonstrate its viability, with a net present value of JOD 169,445 and a profitability index 2.87. Moreover, the project's internal rate of return (IRR) is expected to be 48.90%, indicating feasibility is not sensitive to changes in market conditions.

Feasibility Indicators	
Net Present Value (NPV)	169,445
Profitability Index (PI)	2.87
Internal Rate of Return (IRR)	48.90%

5.3 Sensitivity Analysis

To assess the project's sensitivity to market conditions, a sensitivity analysis was conducted involving six unfavourable scenarios:

- Decrease projected revenues by 5% while keeping other variables constant.
- Decrease projected revenues by 10% while keeping other variables constant.
- Increase operational expenditure by 5% while keeping other variables constant.
- Increase operational expenditure by 10% while keeping other variables constant.
- Increase initial costs by 5% while keeping other variables constant.
- Increase initial costs by 10% while keeping other variables constant.

Table 11: Sensitivity analysis outcomes

Sensitivity Scenario	Net Present Value (NPV)	Profitability Index (PI)	Internal Rate of Return (IRR)
Original Case	169,445	2.87	48.90%
Drop in revenue by 5%	122,560	2.35	40.44%
Drop in revenue by 10%	75,626	1.83	31.20%
Increase in OpEx by 5%	145,798	2.59	44.21%
Increase in OpEx by 10%	122,151	2.32	39.47%
Increase in initial cost by 5%	164,912	2.73	46.96%
Increase in initial cost by 10%	160,379	2.61	45.14%

The sensitivity analysis shows that the project is feasible and not sensitive to unfavourable market conditions. The project's economic feasibility is strong and viable under all the above-mentioned scenarios. The drop in revenues has a more dramatic impact on the project viability than the increase in the OpEx or initial cost by the same magnitude. It is recommended that investors check and further study the market to ensure that the projected revenues are achievable within the thresholds of the proposed initial cost and operational expenditures.

6. Integration with Other Sectors

Roots & Tales holds potential for integration with other sectors, enhancing its utility and marketability. This integration can drive innovation and efficiency in various ways:

Education and Schools: Roots & Tales can collaborate with educational institutions to incorporate its storytelling and language learning modules into their curricula. Schools could use the app to supplement Arabic language classes and cultural studies, providing a rich, interactive experience that traditional teaching methods may lack especially if they are international schools serving Arabic speaking students. This partnership can help schools offer a more engaging and effective way of teaching Arabic, fostering better language retention and cultural understanding among students.

Technology Development: By integrating with technology companies specializing in AI, AR, and VR, Roots & Tales can enhance its educational content and interactive experiences. Advanced AI can personalize learning paths for children, while AR and VR can bring stories and cultural lessons to life, offering immersive learning experiences. This collaboration can lead to the development of cutting-edge educational tools that set Roots & Tales apart in the market.

Cultural Institutions and Museums: Roots & Tales can partner with cultural institutions and museums to create virtual tours and interactive exhibits. These collaborations can help provide children with an in-depth understanding of Arab heritage, allowing them to virtually explore historical sites and cultural artifacts. This integration can extend the app's reach and enrich its content, making learning about culture more dynamic and accessible.

These integrations highlight the multifaceted applications of Roots & Tales' platform, presenting numerous opportunities for cross-sector collaboration that can amplify its benefits and market reach.

7. Entrepreneur Persona

The start-up founder and leader need to embody a blend of several key attributes: expertise in educational technology, a deep understanding of Arab culture and language, and strong entrepreneurial skills to navigate and grow in a competitive market.

Educational and Cultural Knowledge: The leader must have a robust understanding of both educational technology and the nuances of Arab culture and the Arabic language. This dual expertise will be crucial for developing content that is both pedagogically sound and culturally rich, ensuring that the application effectively meets the educational needs of its users while preserving cultural authenticity.

Entrepreneurial Skills: Strong business acumen is essential for navigating the complexities of launching and scaling an education application in an emerging market and the highly competitive edtech space. Skills in strategic planning, marketing, and financial management will help establish and expand the business effectively. The entrepreneur should be adept at identifying and leveraging market opportunities, building partnerships, and securing funding.

Vision and Leadership: The ability to inspire and lead a team towards a shared vision of innovative and impactful education will be critical. The leader must also be capable of fostering partnerships across various markets, sectors, including education, technology, and cultural institutions, to enhance the platform's offerings and market presence.

This entrepreneurial profile not only suits the immediate needs of launching Roots & Tales but also supports its long-term vision of connecting Arab children in the diaspora with their cultural heritage through innovative educational content and learning experiences.

8. Stakeholders

The success of Roots & Tales will hinge on engaging a diverse array of stakeholders, each playing a unique role in the ecosystem:

Families and Children: The primary users of Roots & Tales' services, whose feedback and engagement are vital for refining the application's offerings. Ensuring a positive and enriching user experience and offering value for money will be crucial for building a loyal customer base.

Educational Institutions: Schools and educators can integrate Roots & Tales into their curricula and programs, using the app as a supplementary tool for teaching Arabic language and culture. Their involvement can enhance the platform's educational impact and reach.

Cultural Organizations: Collaborations with cultural institutions and heritage organizations can provide valuable content and resources, enriching the app's cultural education offerings and vice versa, bringing them closer to children and their families.

Investors and Financial Backers: Financial support from investors interested in educational technology and cultural preservation will be crucial for funding the development and scaling of Roots & Tales. Their involvement will also add credibility and strategic guidance to the venture.

Technology Partners: Companies providing AI, AR, VR, and other technological solutions can enhance the app's capabilities, ensuring it remains at the forefront of educational innovation. These partnerships will be key for developing advanced features and personalized learning experiences.

Government and Policy Makers: Engagement with government bodies can help align Roots & Tales with national educational and cultural preservation initiatives.

Community Leaders and Influencers: Prominent figures within the Arab diaspora can advocate for Roots & Tales, helping to build trust and credibility within the community. Their endorsement can drive adoption and engagement.

9. Risk Assessment

Successfully deploying Roots & Tales involves navigating several risks:

Risk	Impact	Likelihood	Risk Mitigation Technique
Technological Issues	Issues such as app crashes or connectivity problems can disrupt the learning experience, leading to user dissatisfaction and attrition.	Moderate	Planning proper hosting upgrades to accommodate the growth in concurrent users, implementing rigorous testing protocols, regular updates, and maintaining high-quality technical support will be crucial to mitigate this risk.
Content Relevance and Cultural Sensitivity	Failure to provide culturally accurate and engaging content could alienate the target audience and lead to negative perceptions.	Moderate	Ensuring the creation of a solid framework using learning science and the right pedagogical approach, establishing a content review committee consisting of cultural and educational experts, and continuously gathering feedback from users to ensure relevance and sensitivity.
Data Privacy Concerns	Parents might be wary of sharing their children's data, which can hinder user adoption and retention.	High	Implementing robust data privacy policies, ensuring compliance with international standards, and transparently communicating these measures to users can help build trust.
Market Penetration and Adoption Rates	The adoption of a new app within a competitive market of well-known brands, particularly in the diaspora, may be slow	Moderate	Emphasize unique value proposition and leverage strategic partnerships, targeted marketing, and user feedback to continuously refine and promote the

			app, ensuring it meets the specific needs of the diaspora community. Offering incentives and maintaining a user-friendly experience can further encourage initial adoption and sustained engagement.
Competition	The market for educational and language learning apps is highly competitive, with many established players.	High	Differentiating the application through unique cultural content, continuous innovation, and strategic marketing can help maintain a competitive edge. Conducting comprehensive outreach, offering trial periods, and ensuring user-friendly interfaces will help overcome this barrier. The startup needs to have a robust digital marketing strategy to acquire and convert potential customers into paying ones

Addressing these risks proactively with strategic planning and contingency measures will be vital for the smooth operation and long-term sustainability of Roots & Tales.

10. Recommendations

- Engage with Cultural and Educational Experts:** Establish a robust content development and review process and committee to ensure all materials are culturally accurate and educationally sound. This will help maintain the application’s credibility and relevance.
- Piloting and Iteration:** Launch pilot programs in various regions to gather feedback, refine the business model, and demonstrate the app's benefits to potential users and stakeholders. These pilots can provide valuable data for further improvements and pave the way for iteration in a way that optimize operations and financials.
- Comprehensive Marketing Campaigns:** Develop targeted marketing strategies to raise awareness about the app's unique value proposition. Highlighting the app's benefits through social media, community events, and partnerships with diaspora organizations can drive adoption. Strategies can include creating an Ambassador program.
- Continuous Innovation and Product Development:** Invest in ongoing research and product development to keep the application’s offerings ahead of the curve. Regularly update the app with new features, content, and technological enhancements to meet evolving user needs and preferences.
- Lean Approach for Development:** Follow a lean approach for app and content development to ensure efficient use of resources and quick iteration based on user feedback. This method focuses on building a minimum viable product (MVP), testing it with users, and refining it based on their input.
- User-Centric Design:** Ensure a user-centric approach to product development by prioritizing the learning journey through user interface (UI) and user experience (UX)

design. This involves creating intuitive, engaging, and accessible interfaces that cater to the needs and preferences of young learners and their families.

II. Conclusion

The high-level feasibility study for Roots & Tales indicates a substantial business opportunity driven by the increasing demand for educational technology and cultural preservation among the Arab diasporas. As the global market for educational and language learning apps continues to grow, Roots & Tales is uniquely positioned to address the needs of Arab families seeking to maintain their cultural identity and language proficiency.

The project demonstrates promising feasibility indicators, including a strong potential market, innovative educational strategies, and a comprehensive risk mitigation plan. However, it is advisable for founders and investors to conduct further analysis on projected user adoption rates, initial development costs, and ongoing operational expenses. This additional scrutiny will help mitigate potential risks related to technological challenges, market penetration, and competitive pressures, ensuring the project's long-term viability and success.

In conclusion, the project demonstrates promising feasibility indicators under very restrictive assumptions. Nonetheless, investors are advised to conduct additional analysis on projected demand, initial costs, and operational expenses to mitigate potential risks associated with adverse market conditions that could jeopardize its viability.

Disclaimer

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Founders and investors considering this project are advised to conduct further analysis on projected adoption rates, development costs, and ongoing operational expenses. This additional scrutiny will help mitigate potential risks related to technology challenges, changes in regulations, market penetration, and competitive pressures.

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