#### SOEN 6841 SOFTWARE PROJECT MANAGEMENT

# **Software Development Budget**

Submission Date : 15 Mar 2024

Supervisor : Journana Dargham

Assistant Professor,

Computer Science and Software Engineering

Term : Winter 2024

**Group No: 26** 

#### **Group Members Names:**

- 1. Mahimur Rahman Khan
- 2. Darshil Ramesh Patil
- 3. Amro Elbahrawy
- 4. Jinish Vaidya

#### Emergency Contact or any clarification:

Mahimur Rahman Khan

E-mail: mahimrk.a@gmail.com

#### Project GitHub Repository:

https://github.com/mahimrahman/SOEN-6841-Software-Project-Management

THE PROJECT REPORT IS PREPARED FOR
SOEN 6841 SOFTWARE PROJECT MANAGEMENT GROUP PROJECT
WINTER 2024

## **Contents**

Introduction	2
Objective	2
Cost Categories	2
Development	2
Testing	3
Marketing	3
Database and Security	3
Ongoing Maintenance	3
Content Creation	4
Miscellaneous Expenses	4
Proposed Fund Allocation Percentage to Each Category	4
Detailed Allocation of funds to Each Category	5
Resource Costing	12
Human Resources	12
Technology	13
External Services	13
Detailed Calculation of Resource Costs	13
Contingency Budget	16
Allocation of Contingency Budget	16
Explanation of the Rationale Behind the Contingency Budget	17
Total Budget Summary	19
References	20

#### Introduction

In today's fast-moving world, efficiency and effectiveness are crucial for businesses, especially in tech industries where project management can be quite challenging. That's why we're developing a tool called "CoLabFlow" a Collaborative Project Management Tool aimed at enhancing teamwork, improving communication, and facilitating collaboration. By utilizing this tool teams can boost productivity and achieve success, with their projects. However, creating such a tool requires proper planning, including a budget analysis to ensure optimal resource utilization towards successful project completion.

### **Objective**

This report focuses on the budget planning and allocation for our project. It is essential to ensure that we allocate funds to complete tasks and address any risks that may arise. By determining our needs and estimating costs accurately we can maintain project progress. This report will help us in making financial decisions to provide our teams with the resources to do the best in their work.

### **Cost Categories**

The budget for our collaborative project management tool includes several cost categories that are necessary throughout different phases of the project. Some of them are development, testing, marketing, continuing maintenance, security, content management, and so on. Funds are carefully distributed to each category to guarantee the project's viability and success.

#### **Development**

The foundation of any software project is the development phase, which includes making the project management tool itself. Backend development, interface design, database and security structure, mobile version development, and software development are all included in this category. The process of developing software involves writing code and programming to construct the tool's essential features. The goal of UI/UX design is to improve user experience by developing a user interface that is both visually appealing and intuitive. Backend development includes configuring the servers, databases, and APIs required for the operation of the product.

#### Testing

To guarantee the usability, functionality, and dependability of any system, testing is an essential stage in the software development process. Costs for user acceptance testing and quality assurance are included in this category. Thorough testing of the tool is part of quality assurance to find and correct any faults or problems. User acceptance testing is putting the product through its paces with actual users to get their opinions and make sure it lives up to their expectations.

#### Marketing

Marketing is essential for branding and attracting users to our project management application. This category includes costs related to digital marketing campaigns, such as digital and physical ads, social media advertising, content creation, and website development. Increasing website traffic, raising tool awareness, and generating leads are the goals of digital marketing campaigns. The primary objective of website creation is to create a well-designed, user-friendly website that serves as the primary information source for the instrument.

#### Database and Security

Security and database management are fundamental elements of any software system. The database serves as the backbone of the platform, storing and organizing user data, project information, and digital assets. Security measures are put in place to protect private information, prevent unauthorized access, and guarantee that privacy standards are followed. By upholding a dependable and safe database infrastructure, the project management tool can protect user data and keep users' confidence.

#### Ongoing Maintenance

After the project management tool is released, continuous maintenance is required to guarantee its successful operation. Costs for server maintenance, bug patches, upgrades, and customer assistance fall under this category. Ensuring the dependability and security of the servers hosting the tool is part of server maintenance. Updates and bug fixes entail fixing any problems or introducing new features in response to user comments and evolving specifications. Assisting users and responding to their questions or complaints is known as customer support.

#### **Content Creation**

Content management is an important aspect of our Collaborative Project Management Tool. It is the process of creating interesting and educational products, including blog posts, films, and infographics, to inform and draw in interested clients. It entails creating and sending out content on the platform. We want the information on the system, website, and social media to be user-friendly and visually appealing. We also require voiceover artists and talented animators to create user-friendly instructional.

#### Miscellaneous Expenses

Miscellaneous expenses contain various incidental costs associated with the development and implementation. These expenses include travel, communication, meeting expenses, and other miscellaneous items necessary to support the project's objectives.

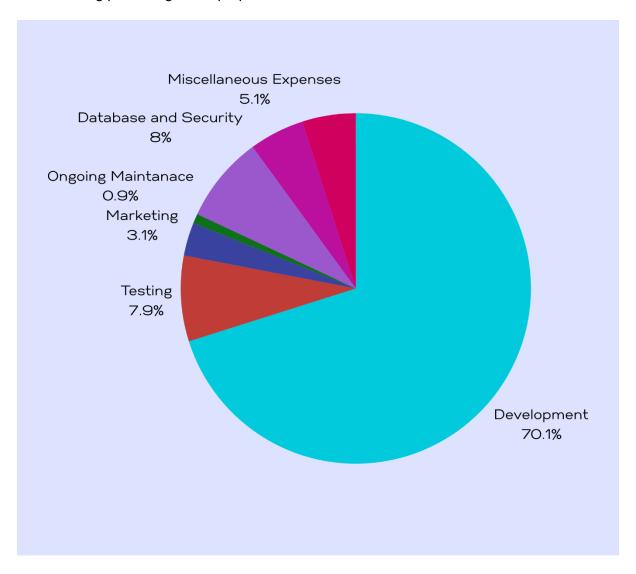
### **Proposed Fund Allocation Percentage to Each Category**

Funds are allocated to each category based on its importance and contribution to the overall success of the project. The allocation of funds is determined through careful consideration of project requirements, priorities, and potential impact.

The majority of funds are allocated to the development category, reflecting the importance of building a robust and user-friendly project management tool. Testing and marketing receive significant allocations as well, as they are essential for ensuring the quality of the tool and attracting users. A comparatively smaller portion of funds is allocated to ongoing maintenance, security, and other parts to ensure the tool remains operational and successful after launch.

The allocation of funds is dynamic and may be adjusted throughout the project based on changing priorities, feedback from stakeholders, and emerging opportunities or challenges. Flexibility in fund allocation allows us to have effective resource management and adaptation to evolving project needs.

The following percentages are proposed for allocation:



This allocation ensures that sufficient resources are dedicated to each phase of the project, balancing the need for innovation, quality assurance, market visibility, and long-term sustainability.

### **Detailed Allocation of funds to Each Category**

#### **Development:**

The development phase is where the majority of the project work happens. It involves designing, coding, and creating the software. Allocation of funds to the development category is crucial as it lays the foundation for the entire project. A significant portion of the budget is allocated here to ensure that the project management tool is robust, user-friendly, and meets the requirements of the users. The costs associated with this phase include:

		IENT C		
DATE: 06 MARCH 2024		COLLABORATI	VE PROJECT MAI	NAGEMENT A
/ERSION: 1.0	TOOL FOR CRE		COLABELOW implifyschiocomes	
ROLE	RATE (USD) HOURLY/MONTHLY	HOURS / MONTHS	NUMBER OF PERSON /	TOTAL BUDGET (USD)
SENIOR SOFTWARE ENGINEER	10000/M	30 M + 2 M	2	640000
BACK-END DEVELOPER	7500/M	30 M + 2 M	4	960000
FRONT-END DEVELOPER	7000/M	30 M + 2 M	2	336000
UI/UX DESIGNER	29/H	184 H	2	10672
SYSTEM SERVER SUBSCRIPTIONS	66/M	32	1	2112
TOTAL				19,48,784
CONTINGENCY BUDGET	10% OF TO	TAL COST		1.94,878
TOTAL BUDGET				21,43,362

#### Testing:

Testing is a critical phase in the software development process. It ensures that the software works as expected and helps to catch any bugs or issues before the software is released. Funds allocated to testing are essential to ensure the project management tool is of high quality and meets the standards expected by end users. Investing in thorough testing reduces the risk of post-launch issues and enhances user satisfaction, ultimately contributing to the success of the project especially with the number of competitions we have in the market. The costs associated with this phase include:

	TESTIN	G COS	Т			
DATE: 06 MARCH 2024		COLLABORATI	VE PROJECT MAI	NAGEMENT (		
VERSION: 1.0		TOOL FOR CREATIVE TEAMS				
ROLE	RATE (USD) HOURLY/MONTHLY	HOURS / MONTHS	NUMBER OF PERSON	TOTAL BUDGET (USD)		
QUALITY ASSURANCE PERSONNEL	6000/M	30 M + 2 M	1	192000		
SOFTWARE TESTER	5500/M	3 M + 2 M	1	27500		
TOTAL BUDGET				2,19,500		
CONTINGENCY BUDGET	10% OF TO	10% OF TOTAL COST 21,950				
TOTAL BUDGET				2,41,450		

#### Marketing:

Marketing is really important to promote our software and attract users. Allocation of funds to marketing is essential to ensure the project management tool gains visibility and traction among its target audience. A well-executed marketing strategy can significantly impact user acquisition and adoption, ultimately contributing to the success of the project. The costs associated with this phase include:

- Marketing Manager: The marketing team is responsible for promoting the software and attracting users. We will need a Marketing Manager who will be in charge of the overall marketing department.
- ❖ Digital Marketing: Depending on the scale of our campaigns, this could range from \$10,000 to \$50,000. Let's budget \$10,000 for this. This includes the cost of advertising campaigns, social media promotion, and public relations. The exact cost will depend on the scale of the campaigns and the channels used. One product marketing specialist will be responsible for the strategies and dealing with KPIs.

- ❖ Website Development: Web development for marketing plays a crucial role in promoting the tool. It involves the creation of a user-friendly and visually appealing website that serves as a central hub for marketing efforts, providing information about the project management tool, its features, benefits, and subscription options. The website serves as a key touchpoint for potential users, helping to generate leads, drive conversions, and increase brand awareness in the target market. With strategic web development for marketing, the project can effectively showcase its value proposition and attract the attention of creative teams seeking innovative project management solutions.
  - Full Stack Developer
  - Search Engine Optimization (SEO) Specialist
  - Hosting and Domain
- Social Media Management: Social media management is a critical component of the marketing strategy for us. It involves the planning, implementation, and monitoring of social media activities across various platforms to engage with the target audience, build brand awareness, drive website traffic, and generate leads. Effective social media management requires consistent content creation, community engagement, audience targeting, and performance analysis to ensure maximum impact and return on investment (ROI). We need an expert who knows how to use social media analytics tools and reporting to track performance metrics, measure ROI, and optimize strategies. The Social Media Manager will be the person dealing with all social media planning and activities.
- Customer Support Representative: Customer Support Representative will handle all the general calls or non-technical customer support. They will also try to promote our product and offers as well.

#### MARKETING COST DATE: 06 MARCH 2024 COLLABORATIVE PROJECT MANAGEMENT TOOL FOR CREATIVE TEAMS VERSION: 1.0 HOURS / NUMBER OF TOTAL BUDGET RATE (USD) ROLE MONTHS PERSON (USD) HOURLY/MONTHLY MARKETING MANAGER 6400/M з м 1 19200 PRODUCT MARKETING 6000/M 3 M SPECIALIST 1 18000 FULL-STACK DEVELOPER 7500/M 2 M 1 15000 SEARCH ENGINE OPTIMIZATION SPECIALIST 4000/M 1 M 1 4000 SOCIAL MEDIA MANAGER 18.5/H 9916 67 X 8 H 1 CUSTOMER SERVICE 18 /H 67 X 8 H 2 19296 REPRESENTATIVE DIGITAL MARKETING 10000 WEBSITE DOMAIN & HOSTING 5.95 / M 6 1 35.76 TOTAL BUDGET 95,447.76

But we are planning to outsource marketing to a marketing agency which will save a huge amount of budget in terms of resources.

#### **Ongoing Maintenance:**

Once the software is launched, it will require ongoing maintenance to fix bugs, add new features, and provide user support. Allocation of funds to ongoing maintenance is crucial to ensure the long-term viability and success of the project management tool. Investing in ongoing maintenance helps maintain user satisfaction, address any issues promptly, and keep the tool up-to-date with evolving technology and user needs. The costs associated with this phase include:

DATE: 06 MARCH 2024						
/ERSION: 1.0		COLLABORATIVE PROJECT MANAGEMENT TOOL FOR CREATIVE TEAMS				
ROLE	RATE (USD) HOURLY/MONTHLY	HOURS / MONTHS	NUMBER OF PERSON	TOTAL BUDGET (USD)		
CUSTOMER SERVICE REPRESENTATIVE	19.64/H	67 X 8 H	2	21,054.08		
EMERGENCY BUG FIXES/UPDATES				5000		
TOTAL BUDGET				26,054.08		
CONTINGENCY BUDGET	10% OF TO	TAL COST		2,605.5		
TOTAL BUDGET				28,659.5		

#### **Content Creation:**

We need personnel to prepare user guides, tutorials, and training materials to help users understand how to effectively utilize the system. Here are the costs related to the contents:

❖ Tech writer: We need a tech writer for all the technical and non-technical content and blog posts. Specially for the tutorials and instructions.

#### **❖** Animation and Video Editor:

We need a top-quality video animator who has video editing skills to save up the budget. His/her main responsibility will be making animated tutorials that are easy to understand and fun to watch. Also, the editor may need to edit a few videos as well when necessary.

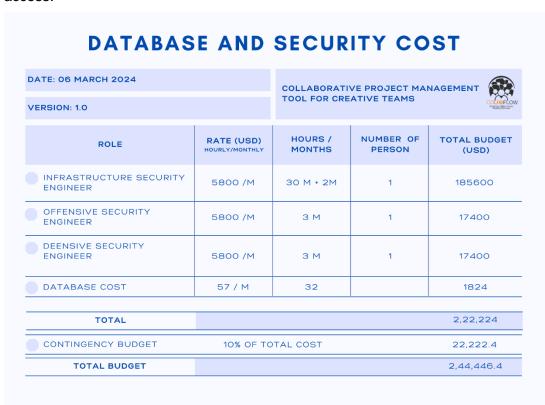
#### Graphic Designer:

The graphic designer will be responsible for all the social media designs and website designs.

DATE: 06 MARCH 2024		COLLABORATI	VE PROJECT MAI	NAGEMENT (	
/ERSION: 1.0	TOOL FOR CREATIVE TEAMS				
ROLE	RATE (USD) HOURLY/MONTHLY	HOURS / MONTHS	NUMBER OF PERSON	TOTAL BUDGET (USD)	
TECH WRITER	4500 /M	14 M	1	63000	
ANIMATION & VIDEO EDITOR	22.85 /H	67 X 8 H	1	12247.6	
GRAPHIC DESIGNER	25.03 /H	67 X 8 H	1	13416.08	

#### **Database and Security:**

- Defensive Security: Responsible for the overall security of the system and other relevant tasks.
- Offensive Security: Responsible for the system security penetration testing and coordination with other two security engineers.
- Security Infrastructure: Implement security measures such as encryption, access controls, and monitoring systems to protect sensitive data and prevent unauthorized access.



#### **Miscellaneous Expenses:**

- Travel: Budget for travel expenses related to project management, meetings, conferences, and other business-related activities.
- Communication: Funds for communication expenses such as phone bills, internet charges, and collaboration tools.
- Meeting Expenses: Funds for meeting with different clients and stakeholders.
- Miscellaneous Items: Additional budget for unforeseen expenses or miscellaneous items not covered by other categories.

Miscellaneous Expenses	Cost	Total Cost (USD)
Meetings	1% of total cost	25,537
Communication	100 x 4 / Month * 3	1200
Travel	3% of total cost	76,611
Miscellaneous	2% of total cost	51,074
		154,422

### **Resource Costing**

Estimating costs associated with human resources, technology, and external services is essential for developing an accurate budget for the project management tool.

#### **Human Resources**

Human resources are a significant component of the project budget, encompassing salaries, benefits, and other expenses associated with the project team. The project team includes software developers, UI/UX designers, quality assurance engineers, marketers, and maintenance personnel. Each team member plays a critical role in the development, testing, marketing, and maintenance of the project management tool.

Costs associated with human resources are estimated based on factors such as labor rates, skill levels, and project duration. Salaries and benefits are typically the largest expense within the human resources category, accounting for the majority of the budget. Other expenses may include recruitment costs, training expenses, and employee perks or incentives.

#### **Technology**

Technology costs include expenses related to hardware, software, and infrastructure required for the development, testing, and deployment of the project management tool. This includes costs associated with servers, cloud hosting services, software licenses, development tools, and testing environments.

The cost of technology is influenced by factors such as scalability, performance requirements, and technological advancements. Cloud hosting services, for example, offer flexibility and scalability but may incur ongoing usage fees. Software licenses may require upfront investment or ongoing subscription payments. Infrastructure costs depend on factors such as data storage, bandwidth, and processing power.

#### **External Services**

Certain tasks may require external expertise or services, such as consultancy services for project management, legal consultation for drafting contracts and agreements, and outsourcing specific development tasks. Other external services may include training programs, certification courses, or specialized tools or technologies. Estimating costs for external services ensure that all necessary resources are accounted for in the budget plan. For CoLabFlow we are planning to outsource UI design phase which is phase 1 and the Marketing to be outsourced.

#### **Detailed Calculation of Resource Costs**

Resource costs are calculated based on the estimated expenses associated with human resources, technology, and external services. Detailed calculations are necessary to develop an accurate budget and ensure that adequate funds are allocated to each category.

#### **Human Resources Cost Calculation**

The cost of human resources is calculated by multiplying the salaries of each team member by the duration of their involvement in the project. Salaries may be calculated on an hourly, weekly, or monthly basis, depending on the payment structure and project timeline. Benefits and other expenses, such as recruitment costs or training expenses, are factored into the total cost of human resources.

#### Salaries:

Role	Manpower Required	Required Hours/day	Hourly Rate	Monthly Salary (USD	Duration (Day)	Duration (Month)	Total Cost (USD)
Senior Software Engineer	2	8	-	10000		32	640000
Back-end Developer	4	8		7500		32	960000
Front-end Developer	2	8		7000		24	336000
UI/UX Designer	2	8	29		23		10672
Quality Assurance Personnel	1	8		6000		32	192000
Software Tester	1	8		5500		5	27500
Offensive Security Engineer	1	8		5800		3	17400
Defensive Security Engineer	1	8		5800		3	17400
Infrastructure Security Engineer	1	8		5800		32	185600
Marketing Manager	1	8		6400		3	19200
Product Marketing Specialist	1	8		6000		3	18000
Full-Stack Developer	2	8		7500		2	15000
Search Engine Optimization Special	1	8		4000		1	4000
Social Media Manager	1	8	18.5		67		9916
Customer Service Representative	2	8	18		67		19296
Customer Tech Support	2	8	19.64		67		21054.08
Tech Writer	1	8	22.85		67		12247.6
Animation & Video Editor	1	8	25.03		67		13416.08
Graphic Designer	1	8	22		67		11792
						TOTAL	2530493.76
						** These durations has been calculated with 2 month buffer time	

#### Training and recreation:

To be always on track, software developers must become familiar with new languages, frameworks, libraries, and other things concerning the required technology stack. Also, we should create a corporate culture and provide team-building and recreational activities to its employees to keep them highly productive and committed to their employer and, by extension, to our project requirements.

#### **Technology Cost Calculation:**

The cost of technology is calculated based on the expenses associated with hardware, software, and infrastructure required for the project. This includes one-time expenses, such as the purchase of servers or software licenses, as well as ongoing expenses, such as cloud

hosting fees or subscription payments. The total cost of technology is determined by summing up these expenses over the project's duration.

- Development Software and Hardware: The cost of development tools and hardware can vary greatly.
- Testing Tools: The cost of testing tools can vary. This includes the cost of any tools like automated testing tools or bug-tracking systems.
- Software Licences: AWS, Domains, Hosting, Adobe licences, SSL everything comes under this section.

Technological Costs	Quantity	Months	Cost/piece	Total Cost (USD)
Database Cost	1	32	57/Month	1824
System Server Subscriptions	1	32	66 / Month	2112
Domain Name and Hosting	1	6	5.95 / Month	35.76
Digital Marketing			10000	10000
Emergency Bug Fixes/Updates			5000	5000
Adobe Licenses	1	12	59/Month	708
SSL License	2	12	50/Year	100
Play Store Play Store	1	1 Time Payment	25	25
App Store	1	12	99/Year	99
				19903.76

#### **External Services Cost Calculation:**

The cost of external services is calculated based on the fees or rates charged by external service providers for their services. This may include hourly rates, fixed fees, or retainer agreements, depending on the nature of the services and the terms of the engagement. The total cost of external services is calculated by multiplying the fees or rates by the duration or scope of the services required. For CoLabFlow we estimated two phases of our project can be outsourced. Which will be the UI/UX design phase and the Marketing phase. Also, Meta and X verification comes under this category. Cost Estimated in this phase:

		Total	Cost
Other Costs	Cost	(USD)	
X Verified	32 / Year	32	
Meta Verification	27.99 / Month * 3	83.97	
		115.97	

Outsourced Product	Cost (USD)
Product Marketing	5000 (Outsourcing from South
Content	Asia)
Product UI Design	10,000
	15,000

### **Contingency Budget**

A contingency budget is allocated to account for unforeseen expenses or risks that may arise during the project lifecycle. The contingency budget serves as a buffer to mitigate the impact of unexpected challenges and ensure the project remains on track and within budget.

### **Allocation of Contingency Budget**

The contingency budget is typically expressed as a percentage of the total project budget, ranging from 5% to 20% depending on the level of uncertainty and risk associated with the project.

For our Collaborative Project Management Tool, a contingency budget of 10% of different phase budget is allocated to account for unforeseen expenses or risks. This provides a sufficient buffer to address unexpected challenges without compromising the project's objectives or timeline. But we didn't want to increase the budget unnecessarily so we kept the contingency budget only for the phases needed. For example, development phase, security phase, testing phase, etc. Also, our budget includes the cost estimated with the buffer time which is necessary for contingency and risk mitigation as well. The contingency budget:

Contingency Budget	Cost	Total Cost (USD)
Contingency Budget for development	10% of Development cost	194,878
Contingency Budget for database	10% of Database cost	2,605
Contingency Budget for testing	10% of Testing cost	21,950
Contingency Budget for security	10% of Security cost	22,222
Miscellaneous Contingency	2% of total cost	51,074
		292,729

#### **Explanation of the Rationale Behind the Contingency Budget**

The rationale behind allocating a contingency budget is to mitigate the impact of unforeseen expenses or risks that may arise during the project lifecycle. Despite careful planning and risk management, it is impossible to anticipate every potential challenge or obstacle that may arise during the project.

In development phase we are keeping the contingency budget to deal with attrition risk, which is also true for testing, database, maintenance and security phase. But we didn't add any contingency budget for Marketing and Content creation phase as these doesn't directly affect the development of the project, and easier to mitigate.

A contingency budget allows our project team to successfully address unexpected obstacles without jeopardizing the project's success. The contingency budget offers resilience and flexibility, enabling the project team to react quickly and effectively to unexpected problems or changes in the system.

The decision to establish a contingency budget is made after a careful evaluation of project risks, uncertainties, and potential repercussions. When deciding on the right amount of contingency, variables like project complexity, external dependencies, and historical data have been taken into account. In summary, the contingency budget is going to serve as a cautious risk management measure to ensure the successful execution of the project within the

allocated budget and timeline. It reflects the project team's commitment to delivering a high-quality product while minimizing the impact of unforeseen challenges.

# **Total Budget Summary**

Project for		Project Manageme					Budget Summary Total With		
Project Land Property   Project Land Property   Project Land Property   Project Land Property   Project Land Project Land Land Land Land Land Land Land Land	Project Budget		Project Info			Total without contingency		Total if outsourced	
## Description   Control   Control		,	Project Lead: Group 26			2704935.49		2925780.89	
Note	7	<b>√</b> ~	Start Date: 1 May 2024						
Mary   Regular   Required Hours\(day   Hourty Rate   Morthly Salary (USD)   Duration (Day)   Duration (Morth)   Total Cost (USD)   Cost (Cost	COLF Strain	PBFLOW Claboration Lysioness						been calculated with 2	
Selected Developer	HUMAN RESC	OURCES						monar baner and	
A			Manpower Required				Duration (Day)	Duration (Month)	Total Cost (USI
First and Developer   2		eer							
UNIX Designer	Back-end Developer								
Calety Assurance Personnel   1						7000		24	
Software Tester							23		
Othersize Security Engineer		sonnel							
Defensive Socialty Engineer									
Infrastructure Security Engineer  1									
Marketing Manager									
Product Marketing Specialist		Engineer							
Full-Stack Developer  ### 2015		rialist							
Search Engine Optimization Specialist		oiunot							
Social Manager		ation Specialist							
Customer Service Representative   2		anon opoolullot				7000	67		
2   8   19.64   67   21054.08		esentative					-		
1									
Arimation & Video Editor  1		<u> </u>							
Technological Costs		or							
Technological Costs   Quantity   Cast/plece   Months   Total Cost (USD platabase Cost   1	Graphic Designer		1	8	22		67		11792
Database Coct   1	Technology								
System Sever's Subscriptions   1		logical Costs							Total Cost (USD)
Domain Name and Hosting   1									21
Semeration Burg Pase   Updates   Semeration   Semeratio	Domain Name and Hosting								35.
Adobe Lebenses   1	Digital Marketing					10000			100
SSL Lenses   2		es							50
PlayStore			1						7
Miscellaneous   Miscellaneous Expenses   Cost   Total Cost (USD)									1
Miscellaneous Expenses   Cost   Total Cost (US   Miscellaneous Expenses   1% of total cost   25.537	App Store								:
Meetings	Miscellaneou	IS							
100x4 / Month *3   1200   12	Miscellan	eous Expenses				Cost			Total Cost (USD)
Travel   3% of total cost   76,611   76,074	Meetings								25,537
Miscellaneous   2% of total cost   51,074	Communication								
Cost	Travel								
Cost   Total Cost (US   Meta Verification   27.99 / Month * 3   32 / Year   32		·s				2% of total cost			51,074
Meta Verification   27.99 / Month * 3						Cost			Total Cost (USD)
Contingency  Contingency Budget Contingency Budget Contingency Budget Contingency Budget Contingency Budget Contingency Budget for development South State Contingency Budget for development South State Contingency Budget for database South South State South State South South State South South State State South State South State South State South State	XVerified								OL.
Contingency  Contingency Budget  Cost  Total Cost (US  Contingency Budget for development  Contingency Budget for development  Contingency Budget for development  Contingency Budget for destabase cost  10% of Database cost  2,605  Contingency Budget for testing  10% of Testing cost  21,950  Contingency Budget for security  10% of Security cost  22,222  Miscellaneous Contingency  2% of total cost  Total After Contigency  299766  External Costs (Outsource)  Outsourced Product  Product Marketing Content (Outsourcing from South Asia)  Product UID Design  5,000  Product UID Design  10% of Security cost  Cost (USD)  Cost (USD)  Product UID Design  10,000	Meta Verification					27.99 / Month * 3			
Contingency Budget for development   10% of Development cost   194,878								Total Before Contigency	2704935.49
Contingency Budget for development   10% of Development cost   194,878	Contingency								
10% of Development cost   194,878		gency Budget				Cost			Total Cost (USD)
2,605   Contingency Budget for database   2,605   Contingency Budget for setsing cost   2,505   Contingency Budget for setsing cost   21,950   21,950   Contingency Budget for security   21,950   Contingency Budget for security   296 of total cost   22,222   Contingency   296 of total cost   27,027   Contingency   297 fotal cost   27,027   Contingency   299 fotal cost   299 fo									
10% of Security   22,222   Miscellaneous Contingency   20% of total cost   51,074	Contingency Budget for datab	base				10% of Database cost			2,605
Miscellaneous Contingency   2% of total cost   51,074   Total After Contigency   299766									
External Costs ( Outsource )  Outsourced Product  Product Marketing Content (Outsourcing from South Asia) Product UID Design  10,000		rity							
External Costs ( Outsource )  Outsourced Product  Product Marketing Content (Outsourcing from South Asia) Product UID Design  10,000	Contingency Budget for secu			1		2% of total cost			
Outsourced Product     Cost (USD)       Product Marketing Content (Outsourcing from South Asia)     5,000       Product UI Design     10,000	Contingency Budget for secu							Total After Contidency	2997664
Product Marketing Content (Outsourcing from South Asia) 5,000 Product UI Design 10,000	Contingency Budget for secu							Total After Contigency	2997664.
Product UI Design 10,000	Contingency Budget for secure Miscellaneous Contingency  External Cost	s ( Outsource )						Total After Contigency	
	Contingency Budget for secu Miscellaneous Contingency  External Cost  Outsou	es ( Outsource )						Total After Contigency	Cost (USD)
Total moutsourced 292578	Contingency Budget for secu Miscellaneous Contingency  External Cost  Outsou  Product Marketing Conten	SS ( Outsource ) rced Product nt (Outsourcing from South Asia)						Total After Contigency	Cost (USD) 5,000
	Contingency Budget for secu Miscellaneous Contingency  External Cost  Outsou  Product Marketing Conten	SS ( Outsource ) rced Product nt (Outsourcing from South Asia)							Cost (USD) 5,000 10,000

In conclusion, the budget plan for the Collaborative Project Management Tool for Creative Teams provides a detailed framework for allocating resources, estimating costs, and managing financial risks throughout the project lifecycle. By carefully planning and budgeting for development, testing, marketing, ongoing maintenance, and contingency, the project team can maximize the chances of success and deliver a high-quality tool that meets the needs of creative teams.

This budget plan serves as a roadmap for effective financial management, guiding decision-making and resource allocation to ensure the efficient execution of the project. With a clear understanding of the cost categories, resource requirements, and contingency measures, the project team can navigate challenges and capitalize on opportunities to deliver a valuable and innovative solution for creative teams.

#### References

https://ca.indeed.com/career/back-end-developer/salaries

https://ca.indeed.com/career/front-end-developer/salaries

https://ca.indeed.com/career/user-interface-designer/salaries

https://ca.indeed.com/career/quality-specialist/salaries

https://ca.indeed.com/career/software-test-engineer/salaries

https://ca.indeed.com/career/marketing-manager/salaries

https://ca.indeed.com/career/product-marketing-manager/salaries

https://ca.indeed.com/career/full-stack-developer/salaries

https://ca.indeed.com/career/seo-specialist/salaries

https://ca.indeed.com/career/video-editor/salaries

https://ca.indeed.com/career/technical-writer/salaries

https://www.purrweb.com/blog/ui-ux-design-cost/

https://www.adobe.com/ca/creativecloud/plans.html

https://www.privateshell.com/order/

https://aws.amazon.com/getting-started/projects/host-static-website/services-costs/

https://www.techtarget.com/whatis/feature/Paid-verification-explained-Everything-you-need-to-know

https://www.facebook.com/business/tools/meta-verified-forbusiness?entry\_point=meta\_site

https://www.linkedin.com/pulse/how-much-does-digital-marketing-cost-guide-pricing-small-adey-digital/

https://aws.amazon.com/amplify/pricing/?gclid=Cj0KCQjwncWvBhD\_ARIsAEb2HW9s RudUdn1HWMJBa0YywsoG1AhrcQHaRTuh\_AfFV4X69AdVcadpm-

4aAndtEALw\_wcB&trk=db3d1ab8-e306-425f-aa69-

a0225ecb59c0&sc\_channel=ps&ef\_id=Cj0KCQjwncWvBhD\_ARIsAEb2HW9sRudUdn1 HWMJBa0YywsoG1AhrcQHaRTuh\_AfFV4X69AdVcadpm-

<u>4aAndtEALw wcB:G:s&s kwcid=AL!4422!3!647374787426!e!!g!!amplify%20pricing!19</u> 613644050!145160416789

https://www.mongodb.com/pricing

https://www.web.com/hosting/web-

hosting?clickid=SnxUSXVm4xyPUKwRtOUudQAcUkHyuqwvXygc3w0&iradid=173859

1&irpid=1955282&sharedid=&source=IR&siteID=46085836&trkID=P99C46085836S645

N0B3A1D9E0000V192&input=

https://aws.amazon.com/free/webapps/?gclid=Cj0KCQjwncWvBhD ARIsAEb2HW87Y

MVixjE7AsKZZ3Kd6KkYZM2SsX1iEqK\_ykDx08KYxabmLFSH8mlaAm49EALw\_wcB&tr

k=86bb9d51-9c64-4108-a7a4-

bbb65152482b&sc\_channel=ps&ef\_id=Cj0KCQjwncWvBhD\_ARIsAEb2HW87YMVixjE7 AsKZZ3Kd6KkYZM2SsX1iEqK\_ykDx08KYxabmLFSH8mlaAm49EALw\_wcB:G:s&s\_kw cid=AL!4422!3!531209286395!p!!q!!hosting%20web!2070149437!77171675460