

Collaborative Project Management For Creative Teams



PRESENTED BY:

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[https://github.com/mahimrahman/
SOEN-6841-Software-Project-Management](https://github.com/mahimrahman/SOEN-6841-Software-Project-Management)



Agenda

- Introduction
- Market Justification
- Feasibility and Viability
- Solution Highlights
- Project Plan Overview
- Risk Management Overview
- Budget Overview
- Call to Action

Overview

- **Advanced Collaboration:** A tool is needed that provides sophisticated, real-time collaboration capabilities.
- **User-Friendly & Affordable:** The tool should be easy to use and cost-effective for small to medium-sized teams.
- **Existing Tools' Limitations:** Current tools often lack strong collaboration features or are too intricate and costly.
- **Enhanced Productivity:** A tool enabling smooth collaboration can significantly boost productivity and improve project results.
- All in one Solution: A all in one solution to give users from all fields the freedom to work and increase communication.

Overview & Objective

Objective

Our project's main goal is to make project management simpler and more efficient which can be used by user from all fields regardless of their expertise.

Market Analysis Findings

Pain points or frustrations users are experiencing with current project management tools



UI COMPLEXITY



LOADING TIME.



NOT ENOUGH TUTORIALS WHICH CAN BE EASIER FOR BEGINNERS



COMMUNICATION WITH TEAM MEMBERS



FILLING OUT TICKET/CARD INFORMATION FROM SCRATCH.



PERMISSION HIERARCHY



NOT HAVING PREDEFINED TEMPLATES.



MONITORING MULTIPLE OPEN TABS FOR DIFFERENT TICKETS.



NOT HAVING PRACTICAL GANTT CHART THAT CAN BE UTILIZED EASILY IN PERIODICAL STATUS UPDATES



LACK OF ACCESSIBILITY



SOME FEATURES BEING IN OUTDATED FORMATS AND DESIGNS



MAINTAIN/ USE MULTIPLE APPLICATIONS FOR EACH REQUIREMENT

MOST FREQUENT

FREQUENT

Who are the main competitors of our product?"



Target Market

OCCUPATION



Our product will be available for users from all occupations

corporate employees, independent creatives, teaching professionals, and students

GEOGRAPHY



We want to focus on users from all over the world

But especially North America, Europe, and Asia-Pacific for a better market & business opportunities

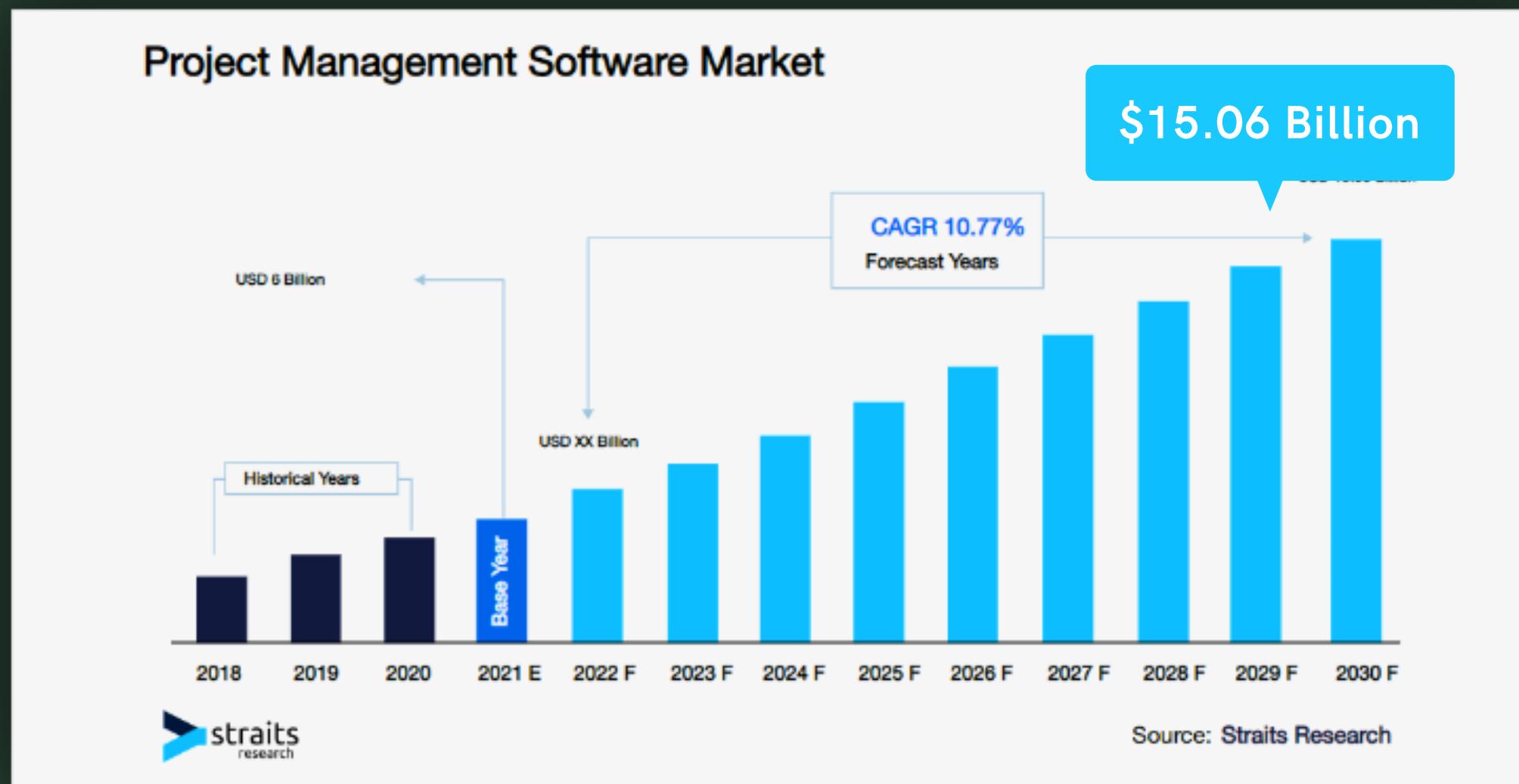
COMPANY SIZE & INDUSTRY



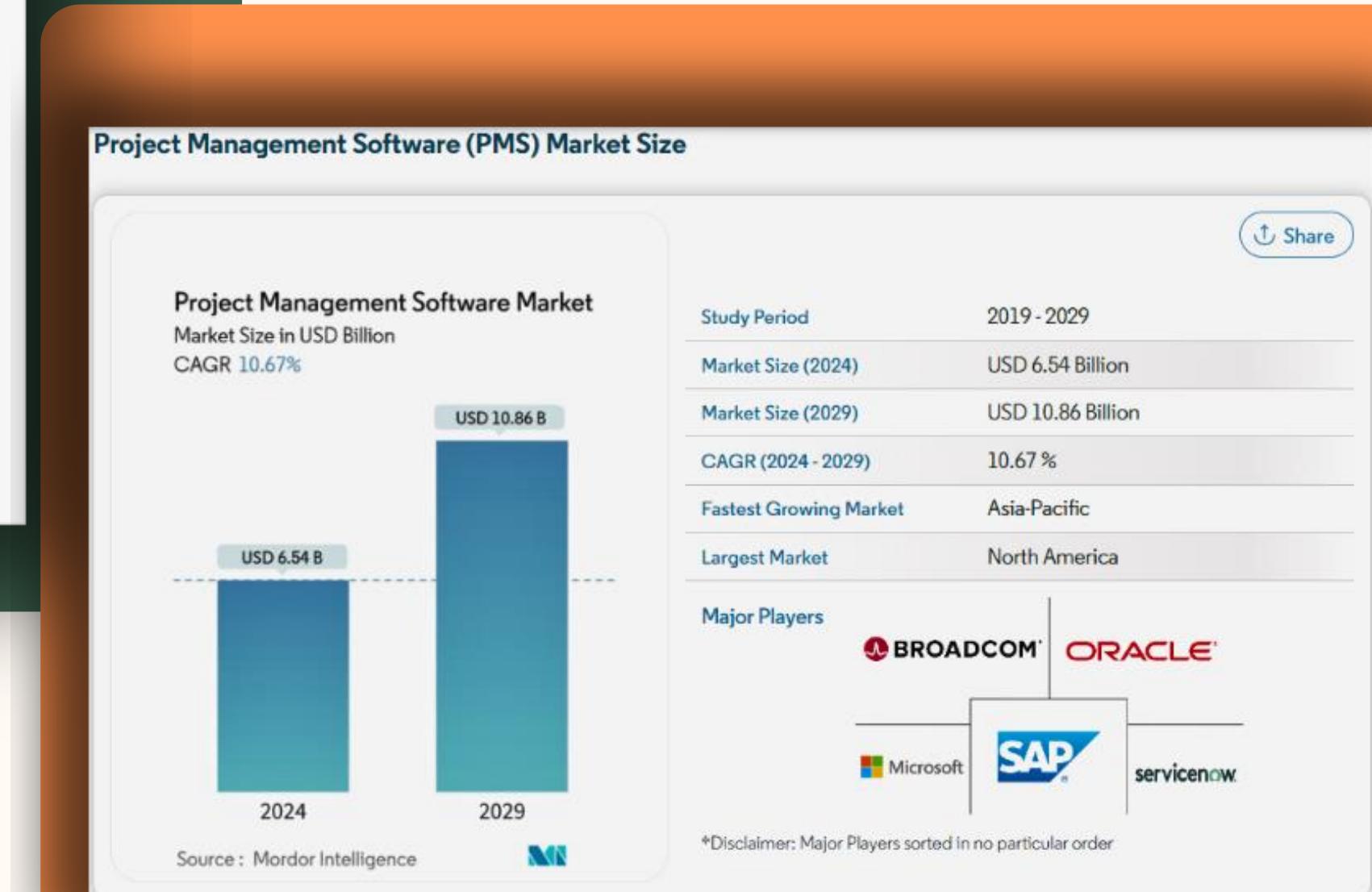
Customizable for different-sized companies & usable in all industry

Start-ups, small businesses, major enterprises. IT, marketing, construction, healthcare, and education

You must be thinking is it safe to enter the market now with so much competition??!



These data says it all !!!



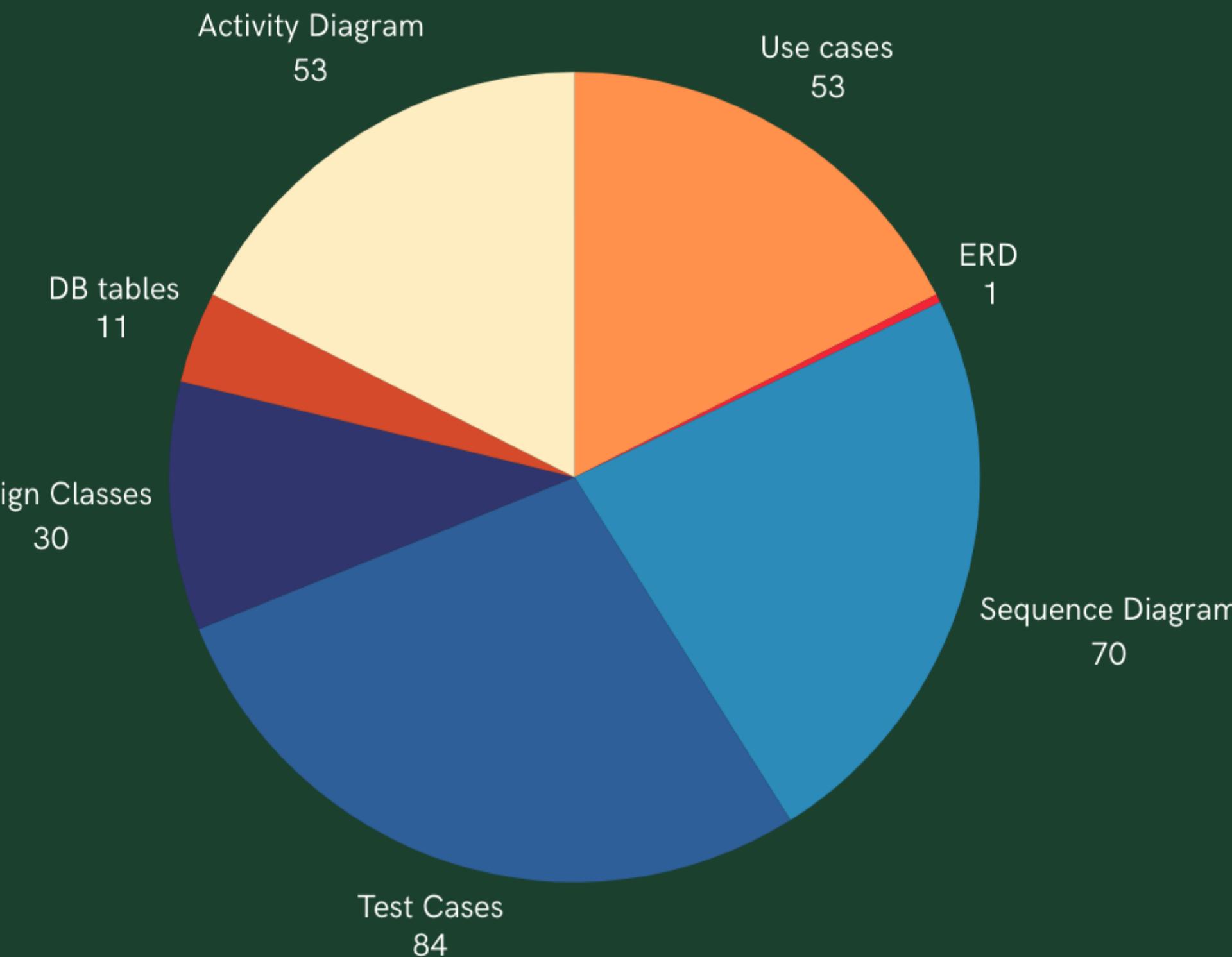
Now
is our
Project
Feasible?

Technical Feasibility

**Required prog. Languages & tools for the project
(based on the most popular websites):**

- Enterprise Architect (UML Modeling, Software Design Document)
- Java (for the mobile application)
- Django (front + backend development)
- MongoDB (DBMS)
- Overleaf to share all project documents + SRS
- AWS for web hosting

Expected number of diagram and function points



A close-up photograph of a person's hand wearing a dark suit jacket and a light blue shirt cuff. The hand is palm-up, holding a silver-toned wristwatch. Inside the watch face, there are three interlocking green gears. To the left of the watch, a portion of a red spiral-bound calendar is visible, showing the number '5' on one of the pages.

OPERATIONAL FEASIBILITY:

1st iteration: Requirements & UI

2nd Iteration: Task Management Functionality

3rd Iteration: Graphic Collaboration System View

The rest of the iterations will follow the SDLC to fully build the entire system. Each iteration is responsible for one of the system's main features.

Economical Feasibility:

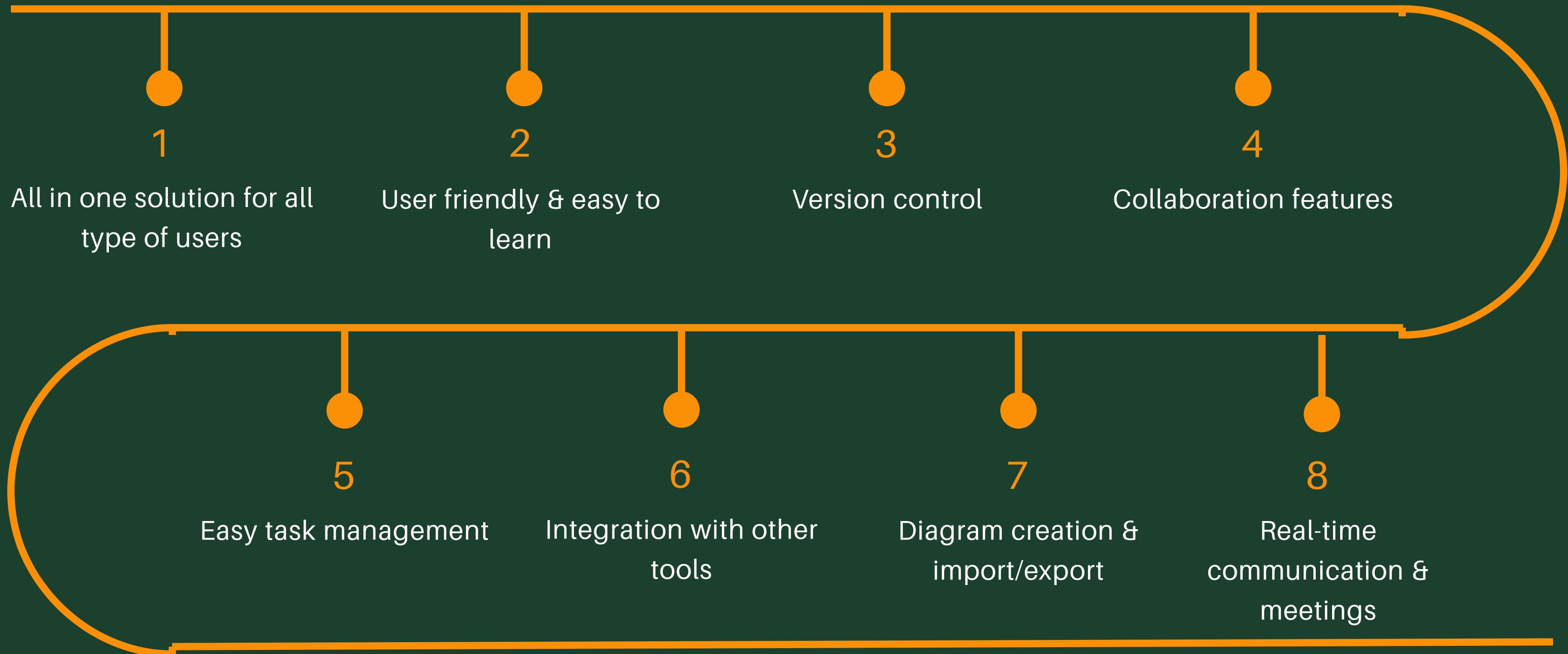
- HR: 2,530,493.76 CAD
- Technological: 19,903.76 CAD
- Outsourcing: Marketing + UI
- Iterations development: 35,500
- Miscellaneous: 103,463.97

Estimated total budget: 2,692,569.49 CAD over 32 Months.



SOLUTION PROPOSAL

Project Timeline 32 Weeks



Project Plan

Incremental Software Development: A detailed plan for the development of CoLabFlow will follow an incremental software development methodology.



30

Total Time: 30
Months, Excluding
the buffer period,



02

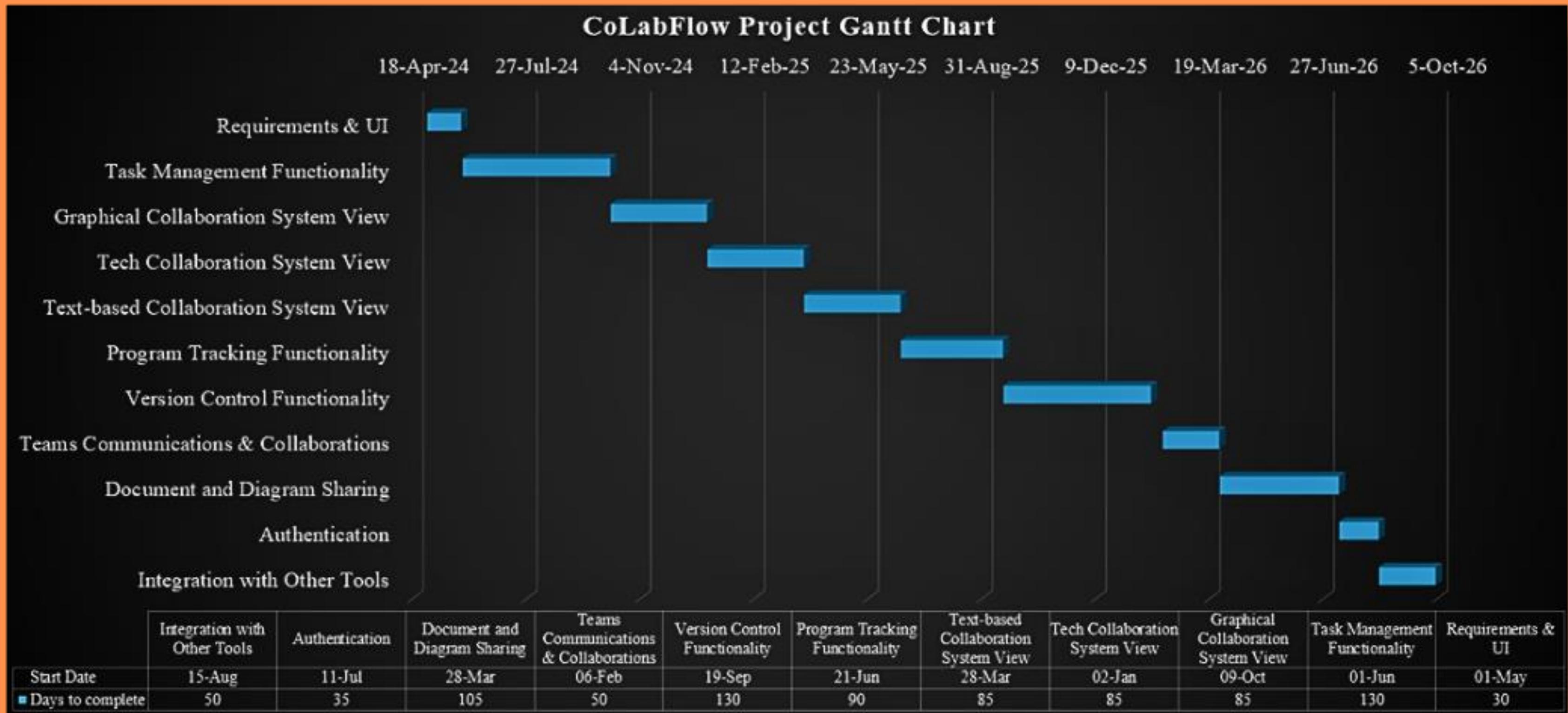
Total Buffer Time:
2-month buffer
period,



11

Total 11 iteration,
each with separate
tasks and milestones

Project Iterations and Timeline



System Features and Milestones

- Dashboard Customization
- Different dashboards for various project types,
- customizable UI
- version control
- document and diagram import/export
- time management, task prioritization
- progress monitoring
- branching & PR review
- diagram generation
- in-built chatting and meeting integration.

Major Milestones:

- Finalizing System Requirement
- Obtaining stakeholder and user approval
- Completing design and architecture
- Front-end and back-end development
- application deployment, software testing
- first version launch
- Ongoing maintenance & monitoring.

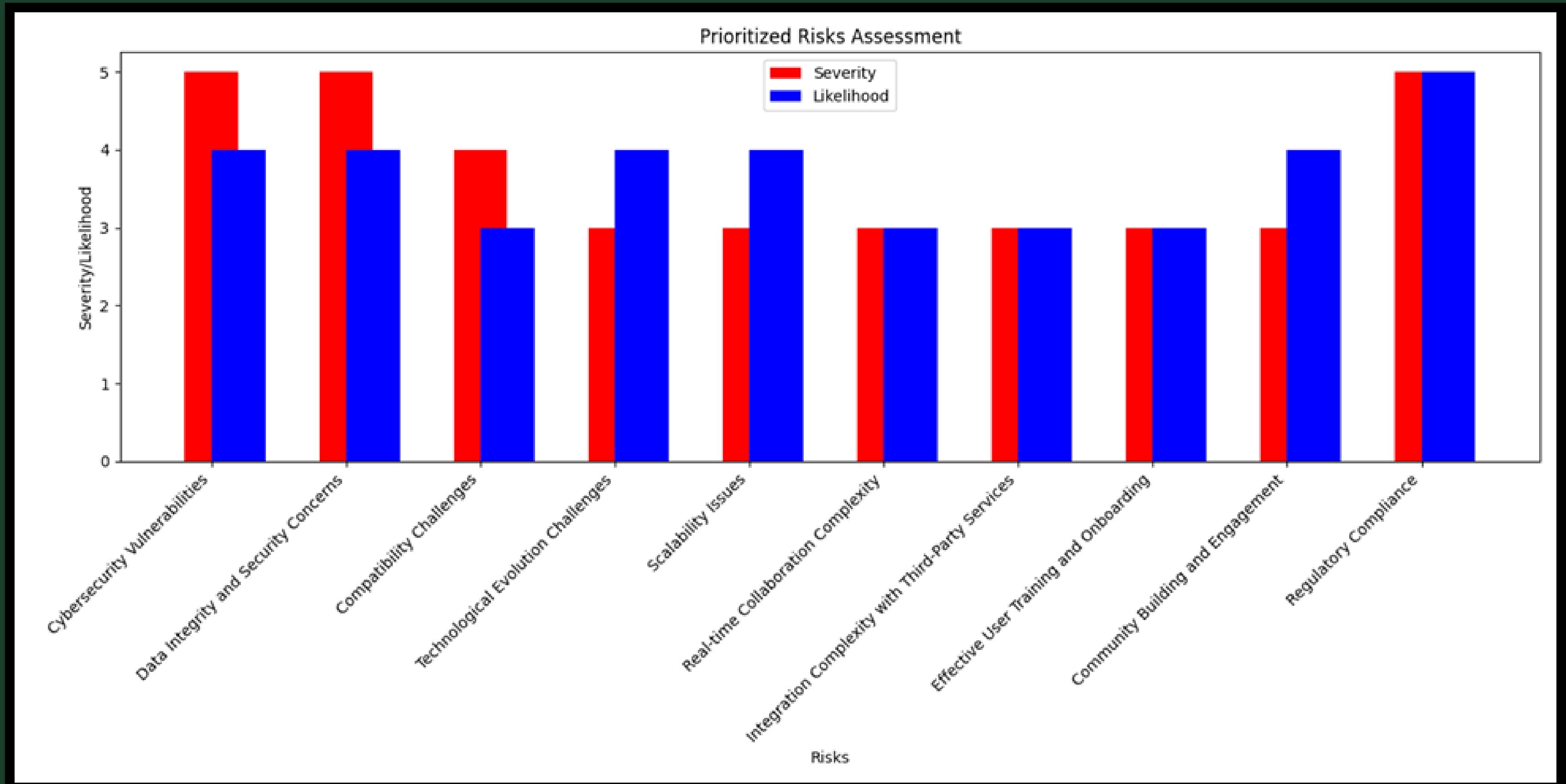
Critical Dependencies Requirements

- Gathering Design & architecture completion
- Resource availability
- Technology stack
- Feedback and iteration review
- Integration points
- Quality assurance
- Documentation and knowledge transfer
- Risk management.

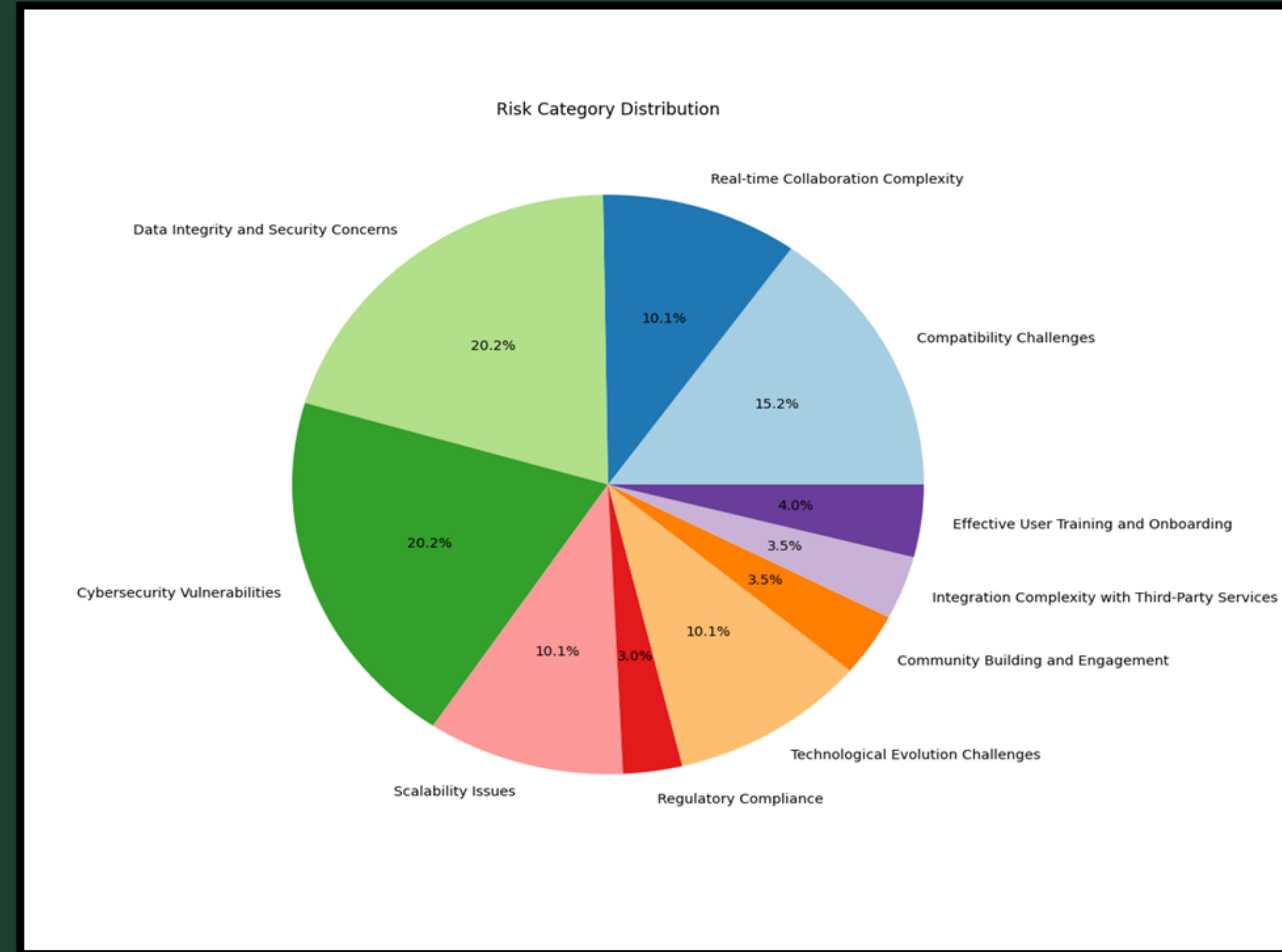


Sr.No	Risk	Likelihood	Severity
1	Compatibility Challenges	Moderate	High
2	Real-time Collaboration Complexity	Less	Moderate
3	Data Integrity and Security Concerns	Very High	Critical
4	Cybersecurity Vulnerabilities	Moderate	Critical
5	Scalability Issues	Less	Moderate
6	Technological Evolution Challenges	Very High	Major
7	Integration Complexity with Third-Party Services	Less	Major
8	Effective User Training and Onboarding	Less	Major
9	Community Building and Engagement	High	Major
10	Regulatory Compliance	Very High	Critical
11	Adapting to Users with Limited Budgets	High	Moderate
13	Reactivity to Economic Fluctuations	High	Moderate
14	Cost-Benefit Balance of Advanced Features	High	Major

Risk Prioritization



Risk Category Distribution

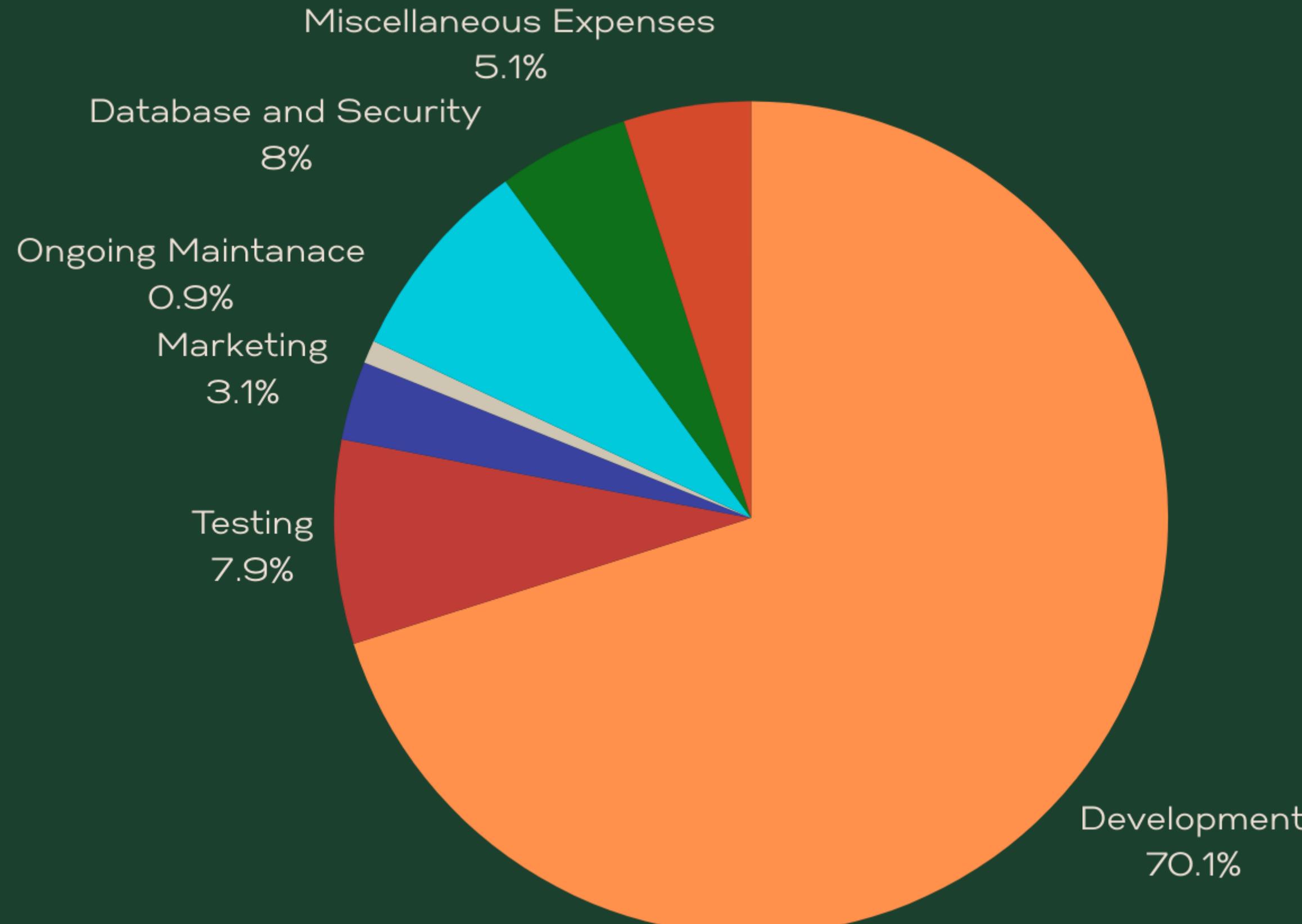


Mitigation Strategies

- 1 Compatibility Challenges: Rigorous testing before and after launch ensures our software works across different setups. Swift updates address any issues post-launch.
- 2 Real-time Collaboration Complexity: Continuous user involvement refines collaboration features. Backup options maintain productivity despite technical challenges.
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- 4 Cybersecurity Vulnerabilities: Multi-layered defense and regular assessments keep our platform secure, staying ahead of potential threats.

- 5 Scalability Issues: Our infrastructure is designed for growth, with cloud-based solutions and flexible resource allocation to handle increased user demand. We can quickly adapt to surges in traffic, ensuring consistent performance.
- 6 Technological Evolution Challenges: By staying updated with emerging technologies, we maintain our competitive edge. We're agile in adopting beneficial innovations, ensuring our platform remains relevant and efficient.
- 7 Community Building and Engagement: We actively engage with users through webinars, forums, and social media channels, fostering interaction and feedback. Incentives encourage participation, and continuous monitoring helps us refine our engagement strategies.
- 8 Regulatory Compliance: Thorough understanding of regulations guides our policies and procedures. Regular audits and swift remediation of compliance issues ensure we adhere to standards, mitigating risks and maintaining trust with stakeholders.

Budget Distribution



Collaborative Project Management Tool for Creative Teams					Budget Summary			
Project Budget		Project Info			Total without contingency	Total With Contingency	Total if outsourced	
		Project Lead: Group 26			2704935.49	2997664.89	2925780.89	
		Start Date: 1 May 2024						
							** These durations has been calculated with 2 month buffer time	
HUMAN RESOURCES								
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 Specialist	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	
Technology								
Technological Costs	Quantity			Cost/piece		Months	Total Cost (USD)	
Database Cost	1			57 /Month		32	1824	
System Server Subscriptions	1			66 / Month		32	2112	
Domain Name and Hosting	1			5.95 / Month		6	35.76	
Digital Marketing				10000			10000	
Emergency Bug Fixes/Updates				5000			5000	
Adobe Licenses	1			59/Month		12	708	
SSL License	2			50/Year		12	100	
Play Store	1			25		1 Time Payment	25	
App Store	1			99/Year		12	99	

Miscellaneous

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

External Costs

Other Costs				Cost			Total Cost (USD)
X Verified				32 / Year			32
MetaVerification				27.99 / Month * 3			83.97
						Total Before Contingency	2704935.49

Contingency

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
						Total After Contingency	2997664.89

External Costs (Outsource)

Outsourced Product							Cost (USD)
Product Marketing Content (Outsourcing from South Asia)							5,000
Product UI Design							10,000
						Total if outsourced	2925780.89

THANK'S FOR YOUR PATIENCE

*Now all we need is your trust on us
and approval to move forward with
the plan towards success.*



Get In Touch

Email

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Github

