



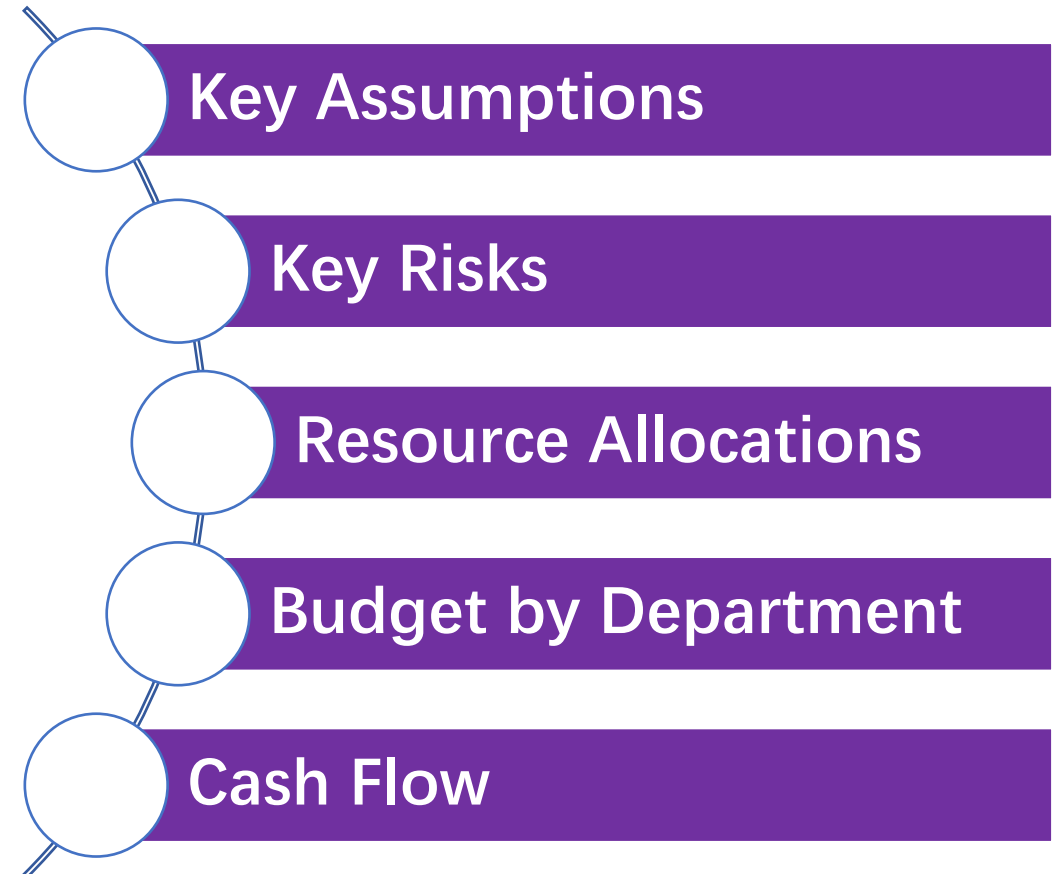
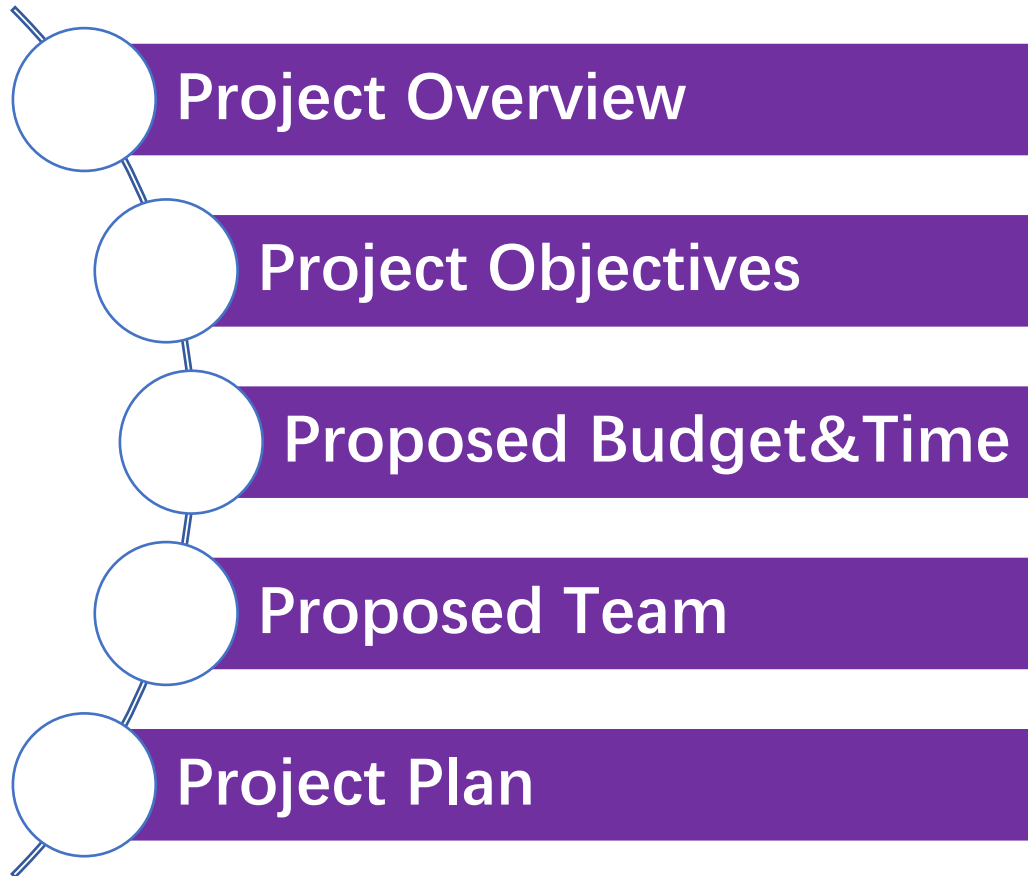
香港中文大學
The Chinese University of Hong Kong

CUHK PLAZA

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Contents





Project Overview

- Position: A student project seeking investor funding
- Software name: CUHK Plaza
- Programming language: Android
- Function: Provide learning convenience for CUHK students



Project Objectives

Considering that students attending CUHK need to join a community for each course. CUHK Plaza is a software that combines the following functions to facilitate the campus life of students at CUHK.

- Automatically join the community based on the CUSIS
- Integrate BB notifications to provide job-related information
- GPS-based Class Check-in
- Publishing and submitting of Pop-quiz (and needs of subsequent users)



Proposed Budget

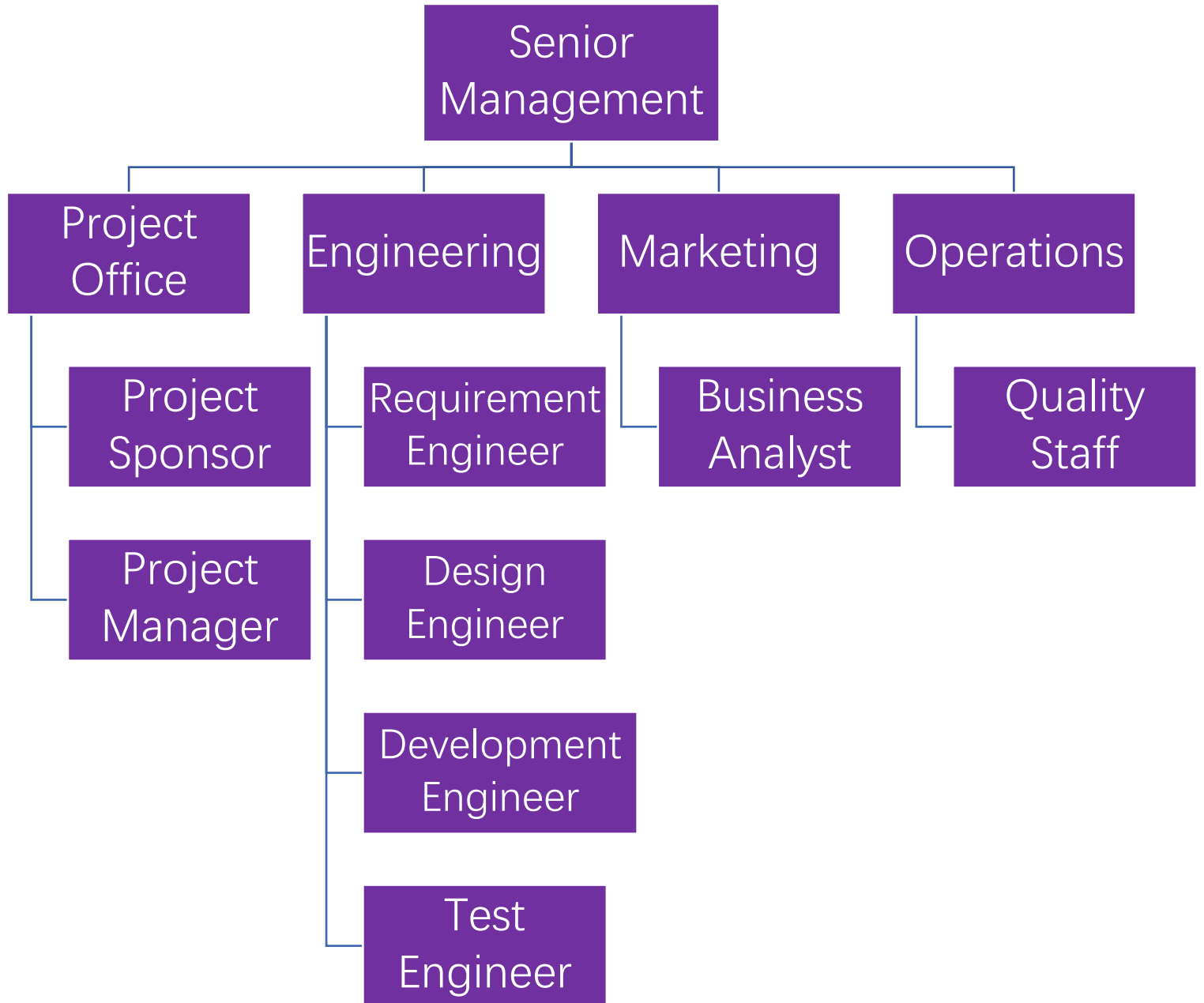
- \$150,000 HKD
- More funds are available if needed.
- The majority of costs for this project will be internal labor, a small portion is paid for the new server.

Proposed Time

- Project Start Date: 03/01/2022
- Project End Date: 10/05/2022
- Duration: 92 work days

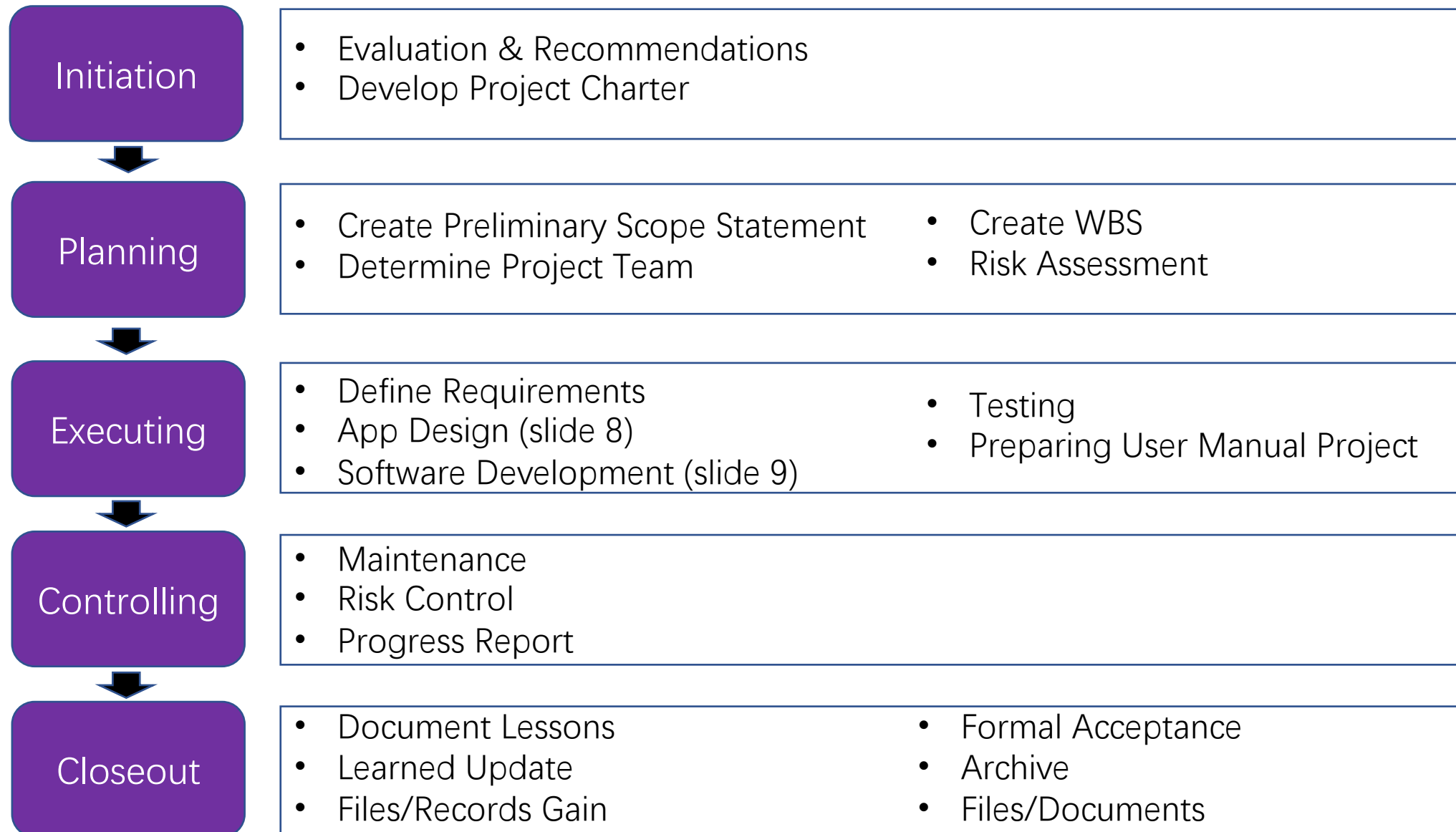


Project Team





Project Plan





App Design

UI Design

- Context and User Recognition
- Navigational and Systemic Interface Design
- Distributional Design of Interface
- Visual Interface Design
- Products Prototype Design
- Testing Usability of the Prototype

OS Design

- Kernel Design
- Process Design
- Thread Design

Function Design

- Data Flow Design
- Function Core Design
- Data Storage Structure Design
- Function Entrance Design
- Process and Result Design
- Exceptions Design



Software Development

Database
Development



App
Development

- Database Requirement Analysis
- Database Conceptual Structure Design
- Database Logical Structure Design
- Database Physical structure Design
- Database Implementation

- Coding Context and User Recognition
- Coding Navigational and Systemic Interface
- Coding Distribution of Interface
- Coding Visual Interface
- Coding Products Prototype
- Front-end Interaction



Key Assumptions

- Assuming that CUHK teachers are willing to upload course information to this APP.
- Assuming that CUSIS is willing to provide CUHK students' course selection information.
- Assuming that the employees are staffs from CUHK engineering school, and the salary is about 160hkd per hour.
- Assuming that the project manager and development engineer who carry out core tasks should also receive higher wages due to their work difficulty and technical ability.

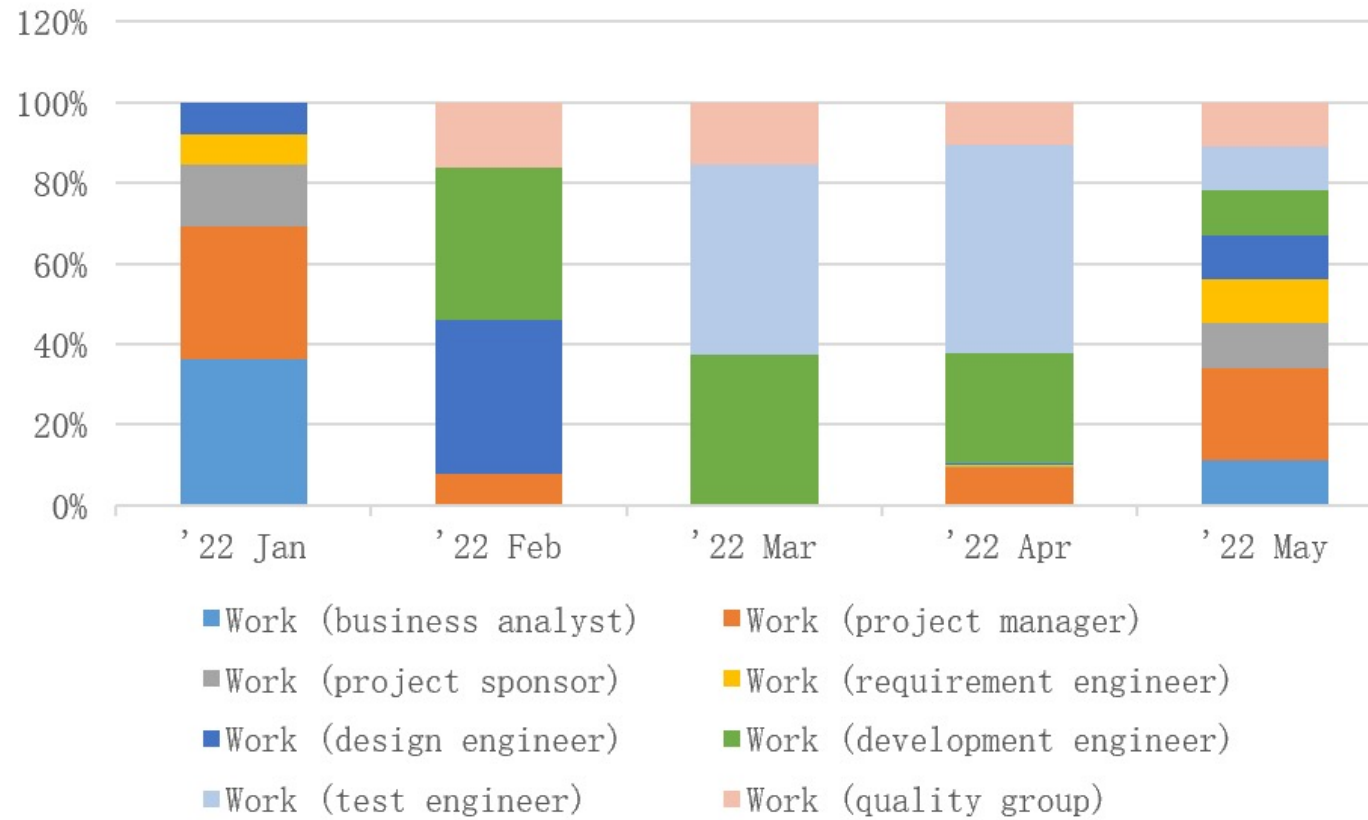


Key Risks

- The project is not supported by CUSIS, professors, and students
- Requirement Change Risk
 - Time/Cost
- Personal Shortfalls
- Development Mistakes
- Significant Staff Sickness due to COVID-19
- Discord Group
- Immature Management Skills
- ...



Resource Allocations

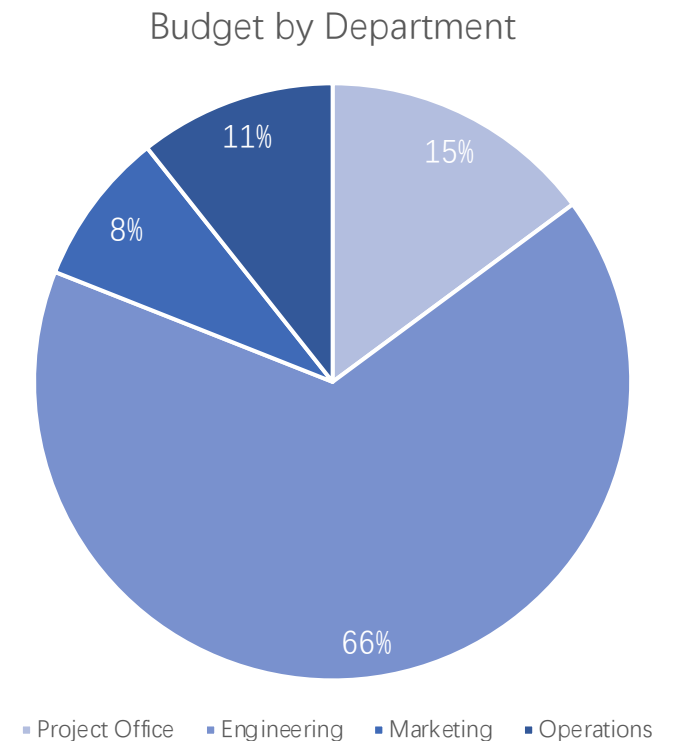


Resource Histogram



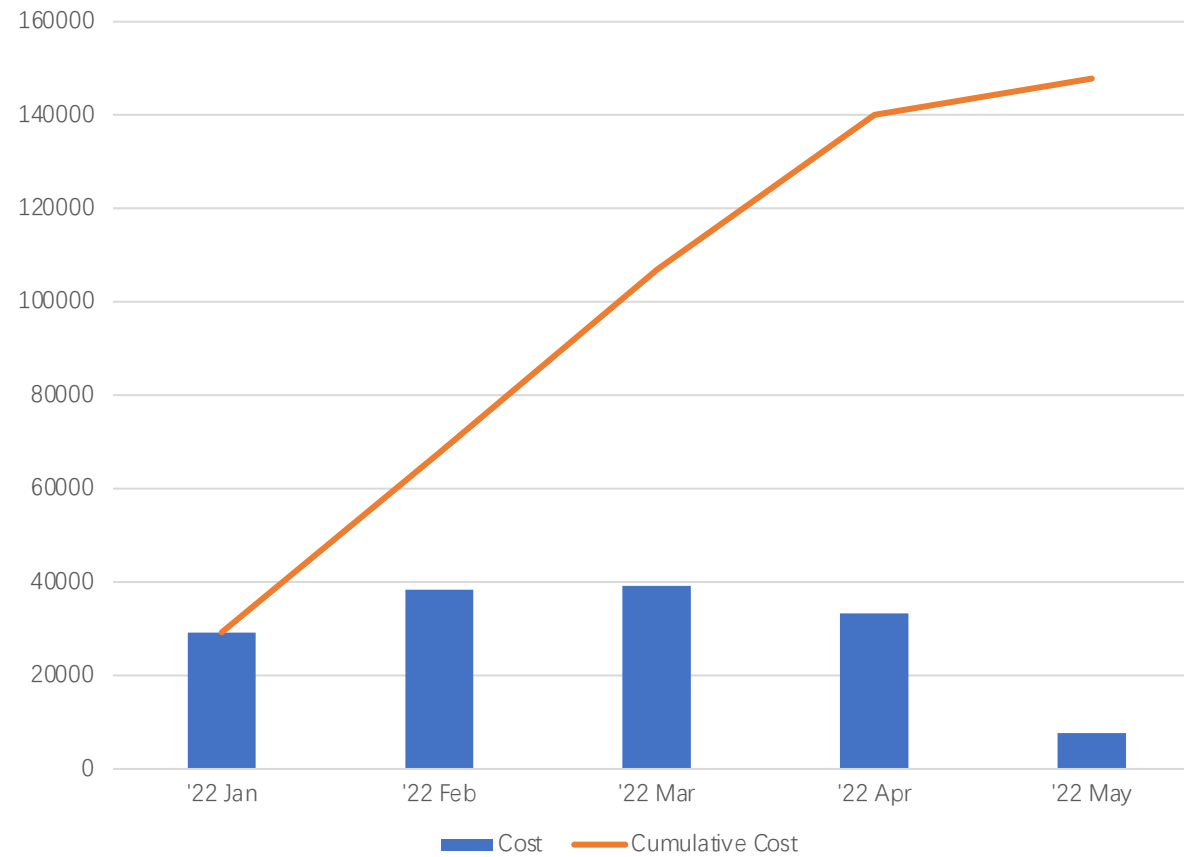
Budget by Department

Department	Staff	Budget	Total Budget
Project Office	Project Sponsor	0	22,300
	Project Manager	22,300	
Engineering	Requirement Engineer	6,200	99,200
	Design Engineer	16,000	
	Development Engineer	46,000	
	Test Engineer	31,000	
Marketing	Business Analyst	12,500	12,500
Operations	Quality Staff	16,000	16,000
Total			150,000





Cash Flow



Cash Flow Chart



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Thanks for watching!