



InternSpace

CONNECTING INTERNS WITH HOUSING

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EMGT 5220 | ENGINEERING PROJECT MANAGEMENT | FALL 23' | TEAM 6

AGENDA

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PROJECT PURPOSE

02

PROJECT GOALS

03

TECHNICAL OVERVIEW

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FINANCIAL PLAN

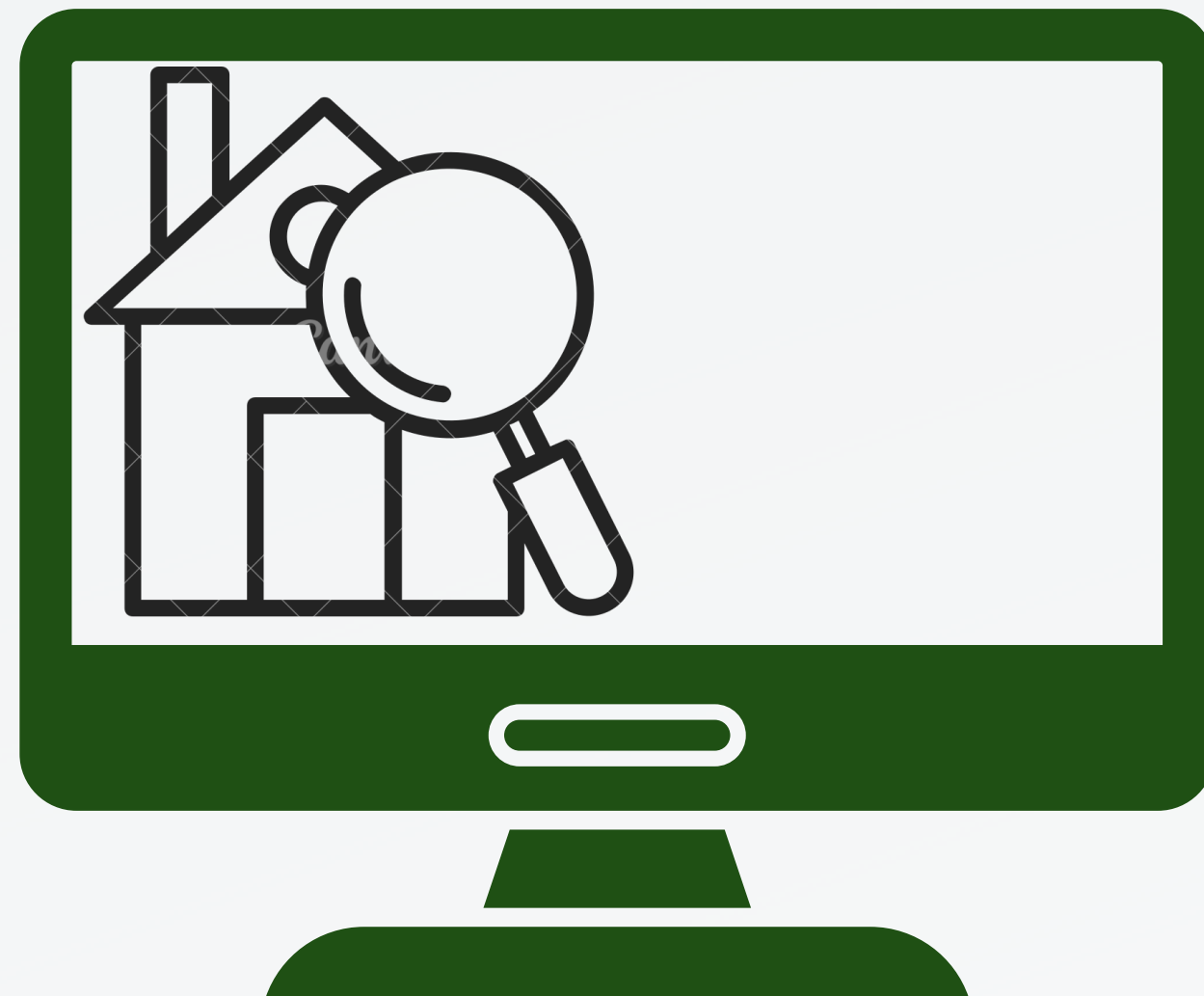
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Q&A

WHAT PROBLEM ARE WE SOLVING?



The evolving educational landscape emphasizes practical experience through internships or co-op programs, often requiring university students to relocate for 3-8 month durations. However, the struggle arises as students face difficulty securing affordable housing in new locations, mainly because the prevalent housing market lease contracts are structured for a year or more. This mismatch in the duration of lease contracts and internships poses significant complexities for students navigating these transitions.



PROJECT GOAL

The goal of this project is to provide a robust web platform to help students find house listings that are affordable and available for short durations. Additionally, the platform will help individuals lease out their existing apartment spots before moving out and find someone to temporarily take over their lease.

PROJECT OBJECTIVES

Objective n° 1

Creating a web platform that will help students browse for house listings and filter them based on price, location, amenities, public transport accessibility etc.

Objective n° 2

Ensure a seamless booking experience with easy payment options and streamlined paperwork on the app.

Objective n° 3

Implement a robust go-to-market strategy, including strategic partnerships with universities and corporate offices, to reach target users and ensure a sustainable revenue stream.



SOLUTION APPROACH

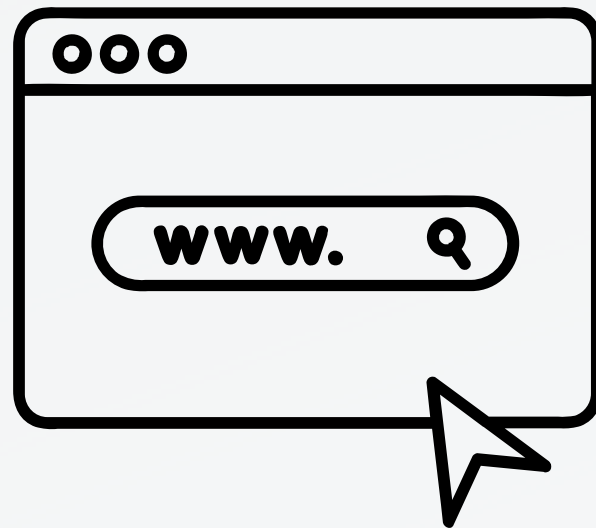
Create a Market Research Document

1. Market Research
2. Customer Analysis
3. Competitive Analysis
4. Analyze Market Trends
5. Product Benchmarking

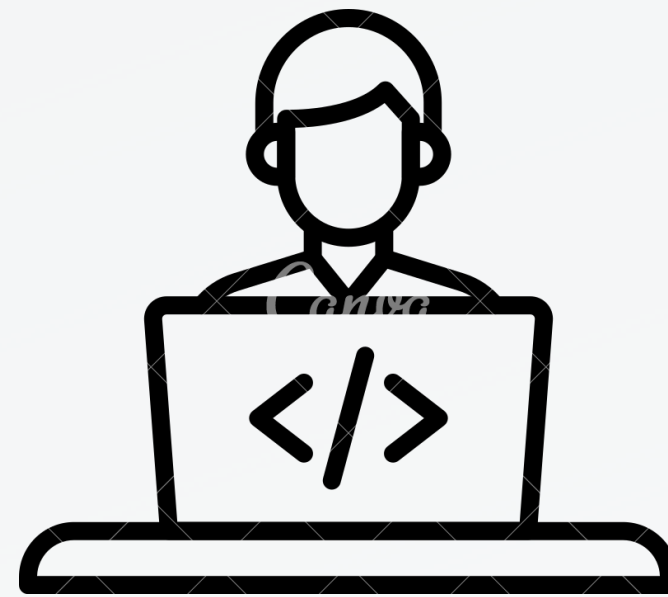
Create a Product Requirement Document

1. Define Use cases
2. Use Journey Mapping
3. User Story Mapping
4. Create Lo-fi wireframes
5. Define MVP
6. Feature Prioritization
7. Create Product Roadmap

TECHNICAL COMPONENTS



Front End Development



Back End Development



Database



API Integration



Deployment & Web Hosting

PROJECT IMPLEMENTATION

01

STAKEHOLDERS

02

WORK BREAKDOWN STRUCTURE (WBS)

03

RESPONSIBILITY CHART

04

SCHEDULE

STAKEHOLDERS



MANAGERS

- Project Manager
- Associate Project Manager
- Product Manager
- Operations Manager
- Quality Manager
- Finance Manager



DESIGNERS

- User Interface
- User Experience



ENGINEERS

- Principle Engineer
- Frontend Developer
- Backend Developer



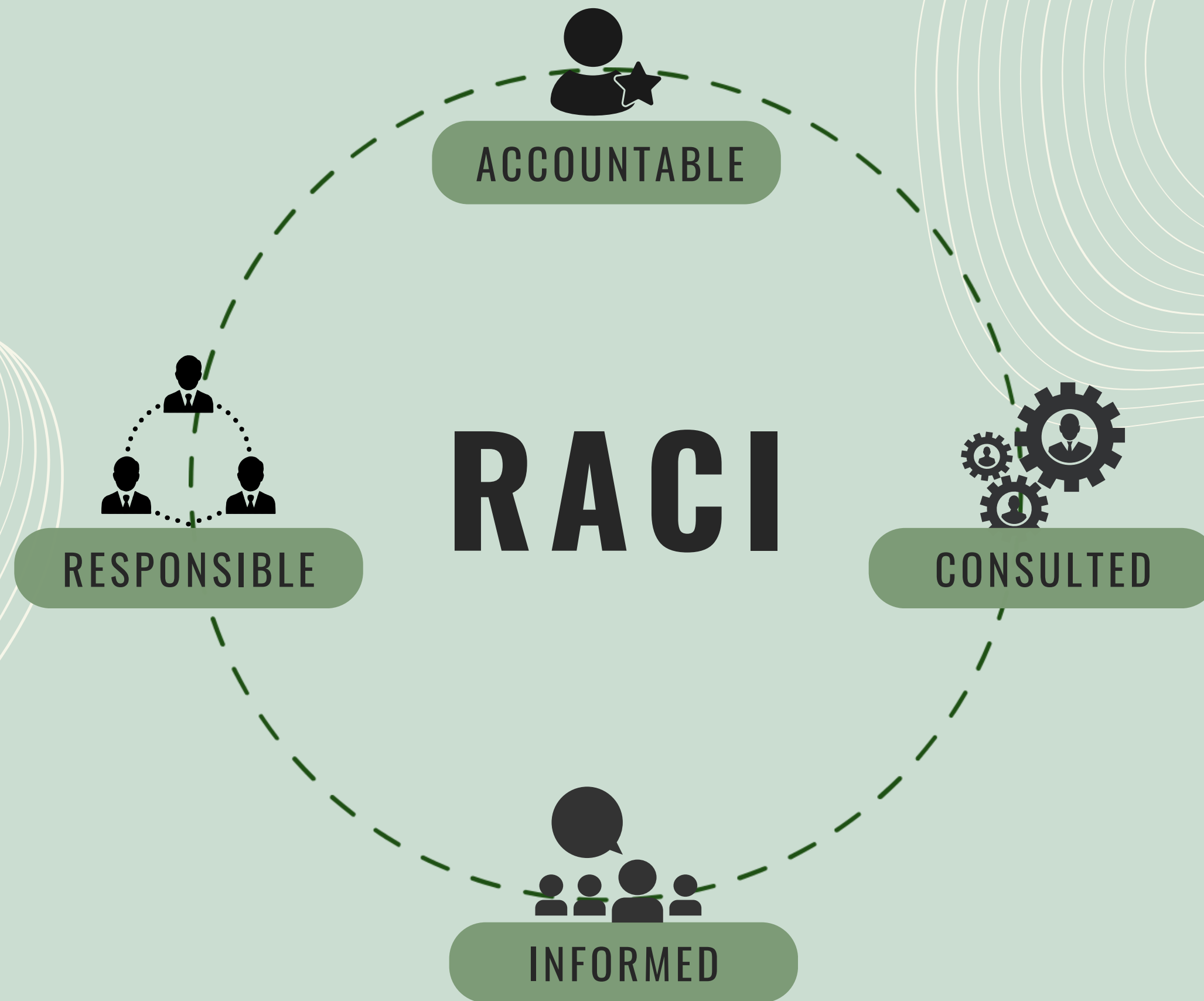
THIRD PARTY

- Legal Team
- Marketing Team

WORK BREAKDOWN STRUCTURE

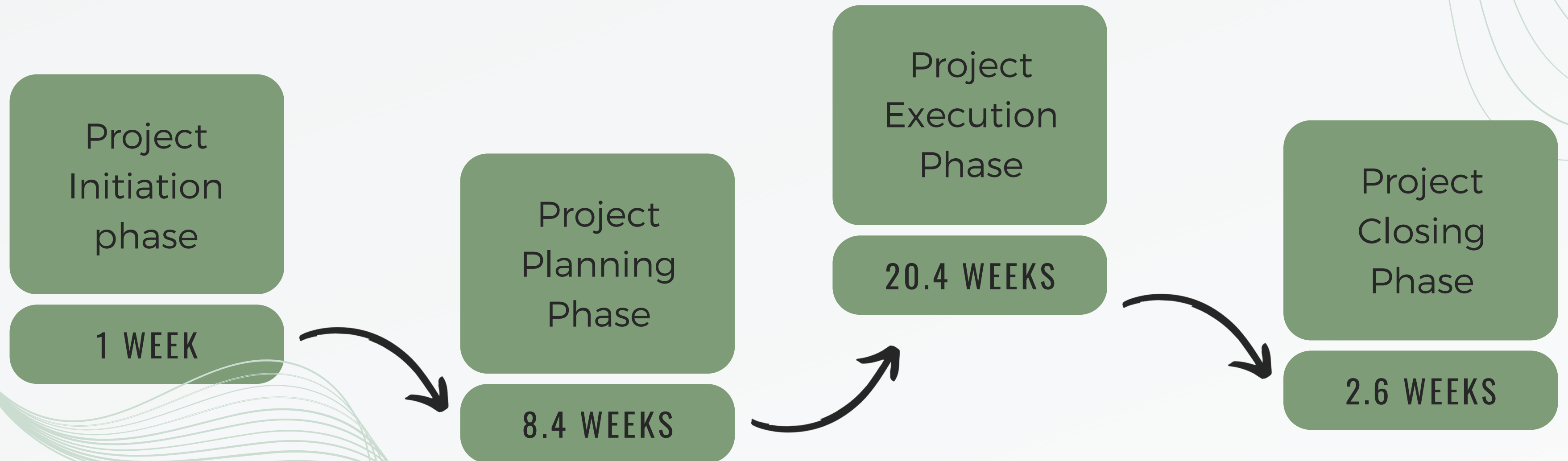


RESPONSIBILITY CHART



SCHEDULE

Total Timeline: 33 weeks



FINANCIAL SUMMARY

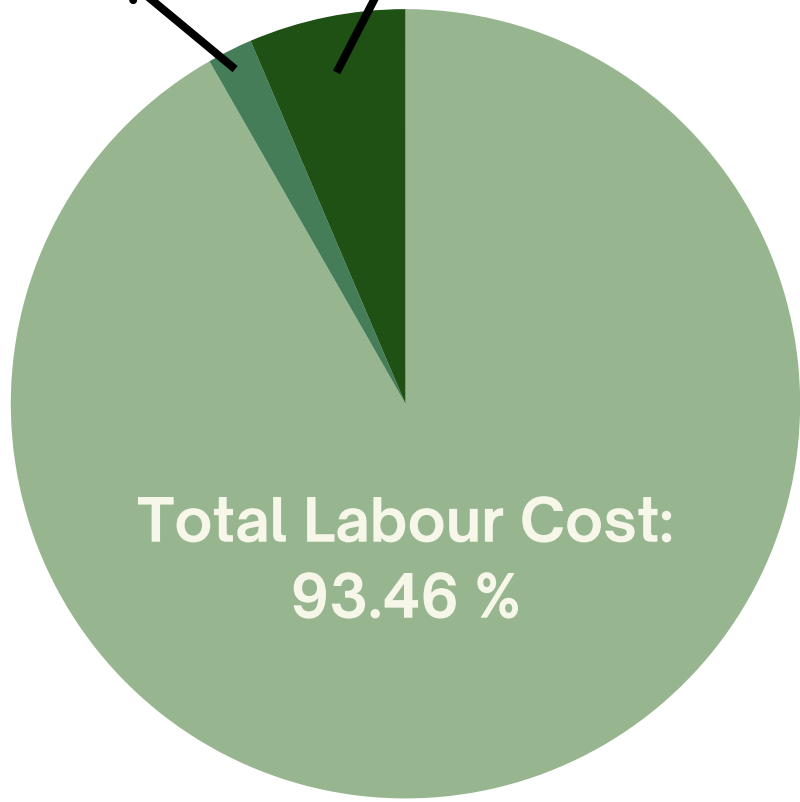


Resources	Budget
Labour	\$299,507
Miscellaneous	\$6,000
Contingency Fund	\$20,965.49
Total	\$320,472.49

Category	Budget Allocation
Labour	93.46%
Miscellaneous	1.89%
Contingency Fund	6.54%

Miscellaneous
1.89 %

Contingency
Fund: 6.54%



- Total Labour Cost
- Miscellaneous
- Contingency Fund

FINANCIAL SUMMARY



Utilizing the Net Present Value Engineering Technique, our analysis substantiates the economic viability of undertaking this project, affirming its profitability.

Year	0	1	2	3	4	5	6	7	8	9	10
Expected increase in Customers Y/Y	0		50%	40%	30%	20%	15%	10%	5%	5%	5%
Number of Customers	0	900	1350	1890	2457	2948	3391	3730	3916	4112	4318
Cash flow	(\$320,472.49)	\$61,500	\$95,250	\$135,350	\$178,275	\$215,130	\$248,300	\$273,729	\$287,716	\$302,402	\$317,822
NPV	\$1,221,589.36										

BREAK EVEN IN 3.5 YEARS

Points to Note:

1. Interest Rate: 5%
2. Assume we have a start base of 900 customers
3. 5% service fee on \$1,500 = \$75



Internspace is poised to revolutionize the student housing landscape by offering a seamless and affordable solution for those in search of temporary accommodations. Beyond the evident advantages for students, this innovative platform opens up new opportunities for house owners, empowering them with a passive income stream. By securing funding for this transformative project, we anticipate a ripple effect of economic success, fostering mutually beneficial outcomes for both our valued customers and the organization. Embracing Internspace means embracing a future where convenience, affordability, and economic prosperity converge.

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Q & A