



SOF3490
Software Project Management
Project: Tablet Restaurant Application
Lab 4

Members:

Goutham Narendiran, 100556439
Vipooshan Sivaruban, 100618301
Sajeeva Seralathan, 100586578

Risks and Countermeasures:

1. Market Competition: Since this project will take an estimated 22 months, there is a high chance someone else may beat us to the market.

Possible solution: Present to possible clients and secure their commitment with a lower initial offering price and a deposit.

2. Market Adaptation: Humans do not like change, it may be a challenge to get users to adapt to screens rather than waiters.

Possible solution: Start marketing campaign prior to integration to get restaurant's clientele familiar with the change prior to the change.

3. Operation Risks: Technology is not bulletproof. We must ensure that the system will not affect the restaurant's ability to earn in a negative way.

Possible solution: Rigorously test the system prior to finishing integration for all possible situations. Have back up hardware ready to use at a moment's notice. Have a back up method for complete down time.

4. Longevity and Maintenance: We must ensure that the software is not going to malfunction in the future after its' Software Support period.

Possible solution: Extensive and rigorous testing and extended warranty for client's peace of mind.

Resources Allocation:

Task Name	Duration	Start	Finish	Predecessors
Research Phase	4 weeks	02/01/2020	03/01/2020	2
Documenting	3 weeks	02/01/2020	02/22/2020	
Coding	16 weeks	03/01/2020	07/01/2020	
Testing	6 weeks	07/01/2020	08/12/2020	
Restaurant Integration	16 weeks	07/01/2020	11/01/2020	4
Market Survey	4 weeks	11/01/2020	12/01/2020	
Update Features	4 weeks	12/01/2020	01/01/2021	
Software Support	24 weeks	01/01/2021	01/01/2022	

Staff Member	Resource Type	Cost	Overtime	Units	Title
Goutham N	Work	70\$/h	+10\$	100%	Senior Software Engineer / Project Lead
Sajeeva S	Work	50\$/h	+10\$	110%	Software Engineer
Goutham N	Work	50\$/h	+10\$	110%	Software Engineer

Project Lead – Responsible for making sure the project is being worked on a timely manner. They are also responsible for doing the testing on the project to detect any bugs and fixes that need to be performed.

Software Engineer – Required to create the coding for the project. Make sure that the deverbals are handed in at a timely manner. Also required to make sure that the project performs well after the submission.