

**SOFE3490**

**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.

1. 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.

1. 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.

1. 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 will after the submission.