



# SOFTWARE PROJECT MANAGEMENT

## LAB 4

# IPAD RESTAURANT APPLICATION

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<https://github.com/SPM-OT/lab-4-group-1>

**Identified Risks:**

- Software displaying real-time performance problems
- Data loss
- Data leakage
- Customer unsatisfied with end product

**Countermeasures taken to mitigate risks:**

- Running a simulation and prototype testing before finalizing product design.
- Implementing a backup system in order to back up data regularly and verify the backups.
- Implementing strict data encryption procedures and enabling the monitoring of user activities regularly.
- Open beta test for software and collect user feedback.

**Project Resources/ activities**

For our project we have broken down the activity diagram into certain necessary tasks and activities to be done by certain members of the project. For our project, we will need to have a system analysts/ quality assurance, front end developer, and a backend/ server side developer. Each of the necessary job and task are assigned as followed:

**Christopher Phan (System analysts/ quality assurance):**

- Preliminary market analysis
- Do manufacturing study
- Develop preliminary designs
- Evaluate and select best product design
- Build and test prototype
- Finalize product design
- Order components

**Isaiah Iremiren (Backend/ server side developer):**

- Design manufacturing process
- Develop detailed product design
- Build and test prototype
- Finalize product design
- Order components

**Rukayat adedamola Jimoh (Front end developer):**

- Build and test prototype
- Finalize product design
- Order components.
- Install production equipment

For our project, most of the project would be done together as some activities are recommended to be worked on together to achieve the best possible result. For system analysts, the job is mainly to support the other two as well as being the middleman between the developers and the users. For backend/ server side developer, the job is mainly focused on developing the application's functions and its key features. For front end developer, the job is

more focused on the UI or the interface and interaction of the user with the system/ program. As shown above, there are many overlapping tasks within each member because this project is meant to be worked on together as a united team and helping each other out wherever needed.

## Gantt Chart

	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1	Preliminary Market Analysis	4 days	Fri 2/1/19	Wed 2/6/19		Christopher Phan
2	Manufacturing Study	4 days	Thu 2/7/19	Tue 2/12/19	1	Christopher Phan
3	Develop Preliminary Design	12 days	Thu 2/7/19	Mon 2/25/19	1	Christopher Phan
4	Evaluate and select Best design	4 days	Tue 2/26/19	Fri 3/1/19	3	Christopher Phan
5	Design Manufacturing Process	12 days	Mon 3/4/19	Tue 3/19/19	4	Isaiah Iremiren
6	Develop detailed Product Design	12 days	Mon 3/4/19	Tue 3/19/19	4	Isaiah Iremiren
7	Implement Backup System	64 days	Thu 2/7/19	Thu 5/9/19	1	Isaiah Iremiren
8	Build and Test Prototype	4 days	Wed 3/20/19	Mon 3/25/19	6	Rukayat Adedamola Jimoh,Christopher Phan,Isaiah Iremiren
9	Finalize Product Design	18 days	Tue 3/26/19	Thu 4/18/19	8	Rukayat Adedamola Jimoh,Christopher Phan,Isaiah Iremiren
10	Order Components	4 days	Mon 4/22/19	Thu 4/25/19	9	Rukayat Adedamola Jimoh,Christopher Phan,Isaiah Iremiren
11	Install Product Equipments	8 days	Fri 4/26/19	Tue 5/7/19	10	Rukayat Adedamola Jimoh

