iPad Restaurant Application

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Team Shadow Dogs UNleashed

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Risks

Installation and Testing - An inherent risk of any project is the project continuing for longer than initially intended and driving up overall costs. This can be due to many reasons, with a major one occurring during the testing phase. As it is not guaranteed that the software was written perfectly, and it is very likely that there are many bugs, the testing phase may result in unintended extensions to the project duration. This is significantly increased when testing is considered separate from coding/designing the application. A way to mitigate this is to require our software developers to use a software design methodology that encourages consistent review and testing. Namely, the testing of the software should occur in a tight loop with the programming of the software, such that any bugs that exist in the program can be caught early. This approach will help reduce the amount of bugs that occur later in the project, which can be much more costly than bugs found earlier, as they often require revisions of sections of code that impact a lot of things.

Recruit Developers - A major part of any project is team cohesion. A team that cannot work well together will struggle to progress and will delay a project significantly. The risk with recruiting developers is that, as you do not already know these people, you are risking team stability with every person you add. To counter this risk and mitigate any potential costs from it, we will include a rigorous recruitment process that consists of multiple interviews. These interviews will not be limited to just skills but also behavior so that we can ensure that we are recruiting the best people to work together. The task would be reflected in a detailed activity diagram by hosting multiple interview sessions.

Resources

Human Resources:
1) Ethan Bautista (DevOps)
2) Saood Imran (Technical Lead)
3) Yale Wang (Backend Developer)

In our project, Ethan will be in charge of management and administration. His activities will be:
- Hardware selection
- Software selection
- Recruit developers
- Order and set up hardware
- User training

Additionally, Yale will be in charge of the database and coding. His activities will be:
- Design database scheme
- Database setup

Finally, Saood will be in charge of the system architecture design. His activities will be:

- Design system architecture
- Coding application

The remaining activities will be assigned to all resources. Ethan, Yale and Saood will all be assigned the following activities:
- Install and test
- Write documentation