



Department of Software Engineering

Course Code: SOFE 3490U

Software Project Management

Lab 4

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Risk Associated with Activities & Countermeasures

Risk 1 - Lack of effort from the employees which can result in a lack of productivity and a delayed release of the product. The counter measure we will implement for this will be increasing the strictness in the hiring process in order to find the best possible employees for each respective position. The interview and hiring process will involve high intensity programming situations where the applicants will be tested to ensure they are prepared for the job.

Risk 2 - The customer may not be satisfied with the final product. The counter measure we will implement for this will be to hold an open beta during the user testing portion of our development process. After this we will collect feedback from the users and re-analyse the scope of the project to ensure that it fits the user's wants and needs.

Resources for the Project

For our project, we assembled a team of 3 members (Jackson Landry, Ardienne Salas and Kaamran Minhas). We divided the activities equally among all group members to ensure that every aspect of the project was agreed upon as a group. Some of the main activities that we focused on were hardware analysis, system analysis, testing analysis, and resource management. Hardware analysis included hardware selection and installation. The hardware we selected to use was a gyroscope which is used to maintain a certain orientation which allows for the device to detect falls. Another piece of hardware we chose to use was an accelerometer which measures the change in gravitational acceleration. The accelerometer is used to increase the efficiency in detecting a fall. Then system analysis contained software selection and development. The software we decided to use was an online website for the user to purchase and seek more information about the product. We also planned on implementing a cloud server which will be used to store the information of the users. A bluetooth device was also planned to be implemented so that the user could use the product through their phones. Furthermore, testing analysis included initial tests, re-development and then final tests. Lastly, resource management deals with staff hiring, writing user manuals and user training. Each group member participated in each group activity.

Microsoft project professional file .mpp

- Turn activities to tasks and give them a duration with start and end time
- Must have at least 1 dependent task, and 1 summary.
- Total production can be between 1 - 3 months, starting from feb 2019. Account for holidays by adding them as exception/non-working days.
- Tasks include the 2 risk mitigation tasks mentioned.
- Add resources to project and assign them appropriate tasks.