

Software Engineering Project: Assessment 2 Gandhi-Inc. - Project Blind Eye

Updates on Assessment 1 Deliverables

1. Requirements

The team felt that our initial requirements documentation was extremely useful for the development of the software. The development of varied features was made easy, as team members could simply consult the document when in doubt about what required features were missing, or what to start working on next. In any case, some changes were made to such documentation, mostly for added clarity.

The functional requirements suffered the largest amount of change: since the requirements documentation written out for Assessment 1 encompassed everything necessary for the final version of the product, it was decided that, for clarity, the requirements documentation for Assessment 2 should be updated to highlight the requirements necessary for the current stage of assessment. This is important because by doing so, it can be made evident that not all of our requirements were intended to be included in the current stage of development, and therefore, many features were intentionally left out.

Furthermore, based on the feedback from the first assessment, some changes were made in an attempt to better adequate the document to the expected standards. Contrasting functional requirements were revised, relevant non-functional requirements were added, and, to some extent, the introduction was made more descriptive. Lastly, a few lesser clerical errors were corrected.

It is expected that these changes result in documentation that more clearly displays the group's intent while developing the software, and that, overall, presents the requirements more clearly.

The updated statement of requirements can be found at: <http://gandhi-inc.me/updates/>.

The direct download link is: <http://gandhi-inc.me/downloads/Req2.pdf>.

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2. Methodology

In general, the team felt that the organisation of the team was extremely effective and so there has been only a few changes to our original methodology and plan.

After receiving feedback from Assessment 1, we have decided to include how we have best utilised each team member's skill set. As stated in the original methodology document, we distributed deliverables across team members; a team member was chosen based on his skillset, for example: one of our team members has had a large amount of experience of software development within an enterprise environment. For this reason, the team member took the lead in the implementation of the project. Another team member has experience conducting risk assessments and so was lead in that area.

Due to a clerical error some dates in figure 2 said 2016 instead of the correct 2017. This has been updated.

There were several aspects of the plan that we felt were especially good decisions: we feel that our decision to adopt the Scrum methodology was a good decision. The rapid development cycles used in Scrum fit extremely well with our own targets and goals, and also the fact that it allows small development teams to work together to produce a larger project was invaluable.

Our collaboration tools, Google Docs and GitHub, allowed simplistic a simplistic workflow and so have decided not to change them.

The updated methodology and plan can be found at: <http://gandhi-inc.me/updates/>.

The direct download link is: <http://gandhi-inc.me/downloads/plan2.pdf>.

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3. Risk Assessment and Mitigation

A number of risks in the risk assessment have been updated due to the team have more experience with the project and a deeper understanding of any risks. The risk assessment methodology has not been changed as we have used ISO 31000:2009 which has been designed by experts in the field after research into Risk assessment.

In response to feedback we received on the risk assessment for the last deliverable, an identification number has been added to risk table. This should allow easy referencing of any of the risks and also reduce any ambiguities relating to specific risks.

The likelihood of one of our team members becoming ill (risk number 1 and 2) has been updated, as the likelihood used in the original table assumed a normal person and did not take into account that the team was university students in contact with a higher number of people than a normal person.

Risk 3 has not been changed as we feel that the mitigation strategy we have implemented provides a reasonable level of protection against risk.

The impact score of risk 4 has been reduced as the team feels that the impact of the loss of one of the “customers” would be less than previously expected.

Risk 5 has not been updated due to the fact neither the risk of this event occurring nor the impact this would have has changed.

We have reduced the impact score for risk 6 as our codebase has been implemented modularly, this would mean that any change in requirements could be updated with lower than expected impact.

There have been no updates to risk 7 or 8 as we feel that the risks have not changed.

The impact of poor productivity (risk 9) has been lowered as we have worked better than expected together

The risk of the team not working well over Christmas has been removed as this no longer applies (i.e. it is after Christmas).

Risk 10 has not been changed.

The updated risk assessment and mitigation document can be found at: <http://gandhi-inc.me/updates/>.

The direct download link is: <http://gandhi-inc.me/downloads/RiskAssessmentUpdate.pdf>.