COS 301-Software Engineering Projects

Shoe Craft Proposal
### COLLABORATORS

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<tr>
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<td>15 March 2015</td>
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### REVISION HISTORY

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1 Project Name

The name of the project is *Intelli-Tailor*

2 Project Vision

The world of fashion has given rise to many young and talented designers around the world. There is a growing need for tailored couture that is personalized and customized by client specification in an affordable manner.

Advances in digital technology present an opportunity for the fashion design world to engage their customers in a more personal and meaningful manner. Imagine a shopper designing his/her outfit and customizing it according to their own personal tastes and preferences and being able to see a simulation of their design before making a purchase.

This could revolutionise how buyers buy products and a niche would be carved where buyers create and customise the clothes they wear digitally.

3 Project Objections

Is to have the following front end interfaces:-

3.1 Web Based Interface

The web based interface should have the following key functionality:

- To choose a fabric, style, customize and tailor a shirt, pants, dress or suit seamlessly.
- To have a simple animated guide that shows users how to measure their body dimensions correctly for a tailored fit.
- To have a visual snapshot of how the clothes will fit once rendered according to specification.
- To have a purchase gateway once the digital tailor service is complete and from which the delivery date will be communicated and managed.

3.2 Android Application

The Android application should have some of the capabilities of the Web Based Interface. We are expecting a high level of reuse around converting a web based application to an android application. This will enable more fashion designers and fashion lovers the mobility to design and purchase fashion anywhere and anytime.

4 Project Owner

The project owner is Figtory Animation (PTY) LTD. The project first contact will be *Mr. Sifiso Motha*.

5 Project Scope

The scope of the project is bound to front-end development as well as the mobile application (Android).
6 Quality Requirements

During the analysis phase we would expect the team assess the quality requirements and to do trade-offs. The architecture assessment phase should lead to a set of recommended reference architectures (technology infrastructures) we are to use to host the services to be developed.

Our preference is that very little should be build around the infrastructure itself and the basic processes that are already available. When the decision around technology is made, the technology should be within the skills set of the team members.

6.1 Usability

We look at providing a web based clothing design platform with a very simple user interface so that one does not need sophisticated skills to navigate the user interface.

6.2 Reliability and Availability

Users will solely depend on this platform to have access and knowledge of what is happening with the due date of their clothing and when it will be delivered.

6.3 Scalability

We envision multiple users globally using the platform to design their own clothing in a seamless manner. So the systems should be able to scale and accommodate new requirements that might arise in the near future to meet the client needs.

6.4 Performance

The clothing design platform should be able to perform real-time changes in a fast and seamless manner. The various stakeholders participating the designing itself should be able to see their changes and their colleagues changes in real-time.

7 Project Ownership

The core web based application and Android app shall be licensed under GPL V3. The elements of the projects which are likely to be excluded is test data from both Figtory and the student developers as well as the core process which might only be specific to a scenario or internal process protected by trade secrets of the organisation.

8 Client Commitments

Figtory commits the following to the effort to execute and complete the project.

- Any relevant information needed for the project.
- Make provision for travelling expenses for the meetings and for the days that the candidates work at our premises.
- We will provide project management services and resources such as the development server, version control and software needed during development.

9 Conclusion

The information provided in this document is preliminary, further information shall be made available on request and during the analysis and design phase of the project.