COS 301-Software Engineering Projects

FigBook Proposal

Figtory

April 14, 2015
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1  Project Name

The name of the project is *FigBook*

2  Project Vision

In the world of publishing; how books, magazines, graphic novels and other academic text are produced predominantly using traditional means of publishing. There has not been much drive to leverage the latest developments in technology.

The traditional manner of publishing allows limited room for collaboration and makes the production life-cycle for a book long and tedious. The process of producing the book is still limited to the editor and sub-editor working in collaboration, quality assurance remains the sole responsibility of the publisher.

This has constrained the amount of books publishing houses produce over a set period of time. The inability to seamlessly collaborate on text and quality assurance extends the production life cycle of a book. FigBooks seeks to address this need.

3  Project Objections

3.1  Web Based Application

The web based applications shall enable users to have access to basic functionality provided by the books platforms. Some of the key services

- To write and style the book on the platform seamlessly.
- To have multiple collaborators writing, editing and sub proofing on the platform also creating a global community of readers, writers and editors
- To be able to get a snapshot of what is being worked on at runtime.
- To get statistics about the progress of any given project; depicting when last any edits and contributions were done.

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 web application development. Any work that does not pertain to the to the web application shall be deemed, beyond the scope of this project.

6  Quality Requirements

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

Our recommendation is that very little should be built around the infrastructure itself. The decision around technology choice should be made on the basis of team’s skills set.

6.1  Usability

We look at providing a web based publishing 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 throughout the book production pipeline.

6.3 Maintainable

Due to high level of complexity around the publishing platform itself and further functionality to be deployed within this system, the initial design should be solid and maintainable to accommodate all the changes over time. Some of the functionality to be added in the near future would be email and sms notification services to members participating on a project.

6.4 Scalability

We envision multiple users globally using the platform to publish books, magazines, graphic novels and other texts in a collaborative and seamless manner. So the system should be able to scale to accommodate changing requirements and new ones that may arise in the future.

6.5 Integrability

The systems should be able to integrate to other social platforms and services offered by other systems.

6.6 Performance

The publishing platform should be able to perform real-time changes in a fast and seamless manner. The various stakeholders participating the publishing itself should be able to see updates around the work in real-time.

7 Project Ownership

The application 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 may 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.