Proposal
TheBookSeekers.com

Initial Childrens Book Recommendation Site

Context-Computing
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1 Introduction

The project is intended to launch 1st October 2013, a very short time scale. The project is constrained in manpower to one developer. This implies that the ambition of the project must be limited to what is achievable in the available time. The design of the system is not finalised, and is expected to be arrived at using Agile methodologies. This requires a time and materials approach to costs.

2 Technology choices

The project will be implemented in Django, a python framework for delivering database backed websites.

The project will be deployed to Heroku.

The project will initially be house on an open github repository.

The project will use a Jenkins installation [jenkins.paneris.net], supplied by Context-Computing in the first instance, for continuous integration and deployment.

3 Initiation - take on of database schema

This phase will deliver a Django CMS of the database structure, enabling administrators to edit the database.

The database will be deployed to Heroku.

an initial database schema has been included in the brief, this will be used as a guide and is expected to be amplified.

4 Deployment of wireframe

A wire frame enabling

- Login
- Registration
- Display books alphabetically, paged
- Search for a book
- List collections
- Display a collection
- Collection Creation
- Addition of a book to a collection
- Create a tag

- Associate a tag with a book

Additional functionality will emerge, representing a risk to the projects timescales.

5 Integration with Design

This stage is dependent upon the delivery of the site design graphics.

The amount of work in this stage is dependent upon the complexity of the page components envisaged and so represents a risk to the cost of the project.

6 Integration with Amazon Data

An initial load of the book table from Amazon.

Nightly job to pull new book data.

This task will need investigation and hence is a project risk.

7 Respond to Feedback

It is anticipated that there will be a an Agile relationship with the client, CrowdSource Ltd, and so there is a budget fro responding to client feedback.

The extent of rework is a project risk.

8 Exclusions

This proposal does not include scaling up to potential traffic volumes. Whilst the technology stack does scale there is no provision for load balancing, database replication, database backup, site tuning for speed.

There is no provision for creation of tag clouds.

There is no provision for integration with Google Books or Facebook.

There provision of a separate mobile site and a mobile application is not planned for phase one.

9 Costs

The project will cost £26,000, payable in four instalments of £5,000 at each month end and one of £6,000 upon handover.

References

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