Proposal for Project BeyondBooks

The Hackstreet Boys

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1 Executive summary

The main purpose of this project is to provide the students a platform where they can sell, buy and review books along with the facility for discussion. The scope of this project is currenty limited to the people of IIITV (students and faculty). The primary target audience are the students as they are the ones who will buy and sell books. The software solution will consist of a web application and an android application. This project is intended primarily at increasing the efficiency of selling books by bringing the sellers and buyers under one roof. To carry out the all this we need human, software and hardware resources as well as enough time, the report suggest that given the scenario of resources we have, it is possible to finish the project with expected deliverables within the time frame of a semester.

2 Project description

The project will provide a unified portal, accessible via the Internet and an android application. The main functionalities of the portal will be:

- Buying and Selling of Books.

- Books Rating / Review (Faculty and Users)

  - Users can rate and give their reviews on books whose titles will be uploaded by the users(faculty or student).

- Open Discussion Forum (for books and course related issues).

  - All the users can discuss anything related to the material on an open forum.

3 Feasibility Study Results

The results of the feasibility study show us that the project is technically and economically feasible.

The feasibility study took into account:

- The technical skills of the team members.

- The availability of softwares which will aid in the project.

4 Team profile

This gives an idea that the team is fully capable of carrying out this project. The team as a whole has all technical skills that are required for this project. There are about three to four members in each domain so that there would not be any solo responsibility. Team members with their domains are mentioned.

- **Web Development Programming :** Kushal Jangid, Akhilesh , Sonu Patidar

- **Android Programming :** Anjul Tyagi, Gaurav Yadav, Aditya Prakash,Harish Krupo

- **Database Design & UI Design :** Dilip Puri,Harish Krupo, Raghuvar Prajapati, Sonu Patidar, Chirag Panpalia

- **Server Design :** Harish Krupo

- **System-Testing & Integration :** Harish Krupo, Chirag Panpalia, Aditya Prakash

- **Documentation (After each phase a report will be generated)** : Dilip Puri, Raghuvar Prajapati

All members of the group will be part of each activity. Each activity will be carried out in the supervision of specified members.

5 Assumptions and Constraints

5.1 Assumptions

1. A high end software generation is not possible due to compatibility issues arising from the current stock of resources.

2. Use of the software created would only be within the IIITV Network.

3. Students can login to the system only using their college Email ID.

4. ID for the faculty would be given by the Administrator.

5. Any conversation between the buyer and seller would not be monitored. The transaction will be completely unrelated to the system.

5.2 Constraints

1. Only ISBN can be entered for uploading the books, so as to reduce redundancy in the book database as we aren't using any moderator for this.

6 Project Deliverables

The Deliverables include:

- A web application and an android application for:
    - Buying and selling of books.
    - Rating the books.
    - An open forum for discussion.
- Individual users will have profiles which will include all information required for the portal.

The project is estimated to be completed and ready for deployment by 20th Nov 2015. But it will be available for testing by the clients by November 2nd week.

7 Project Plan / Time and Effort Estimation

Task to be executed	Deadline(Soft)	Deadline(Hard)
Feasibility Study	27th August 2015	30th August 2015
Requirements gathering and Analysis (Survey)	2th September 2015	4th September 2015
Faculty Interview and overall analysis	7th September 2015	8th September 2015
Proposal Writing	7th September 2015	8th September 2015
SRS Documentation	$(4\text{-}10)^{\text{th}}$ September 2015	12th September 2015
Design Phase	$(13\text{-}29)^{\text{th}}$ September 2015	1st October 2015
Coding, Unit Testing and Integration	1st October 2015 - 7th November	8th November 2015
System Testing	$(8\text{-}12)^{\text{th}}$ November 2015	13th November 2015

8 Estimation of Cost and Pricing of the Project

Cost is not a decisive factor in the project. Basic requirements of the project are systems and latest software. These will be open source so no price will be involved. Although some cost might be involved during the requirement gathering.

9 Summary

The system will enable students to buy and sell books efficiently. It will also ensure that the books are sold at a fair price as the sellers need to compete with

each other. This project will also enable students to make informed decisions about which book to buy by checking the reviews and ratings of the books by faculty and peers. Students will also get a platform where they can discuss their issues.