ADVANCED SOFTWARE ENGINEERING

PROJECT PROPOSAL

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PROJECT TITLE: BOOK PEERS

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PROJECT GOALS AND OBJECTIVES:

This Project allows users to share books among various registered users. This process of sharing books saves time. One need not go to the library and search for the books, rather they can just search for the required book using this app. The book collection centers (Library) are very vast and it is quite difficult to search for the required book in thousands of books available there. Instead of consuming the time, the user could easily get the same book by using this Application. The user could ask for the required book in the group. Then the user gets response regarding the availability of the book and the nearest pickup point.

MOTIVATION:
Our basic point in selecting this project is to utilize the time effectively and to build up communication between people belonging to the same group. Also the user gets popup messages which reminds to collect the book on a particular date .Information about the return date of the book is also available in the application for which the user will get a popup message regarding the same.

SIGNIFICANCE:
Book Sharing is an effective way for reducing and simplifying the searching time of the users. It provides more convenience for users and reduces their travelling issues. Also this increases convenience for users and provides them with many options.

SYSTEM FEATURES:
1. First each user must register in the login page of the application by providing the following fields:
- User Name
- Password
- First Name
- Last Name
- Gender
- School

2. After registering into this application, each user must update all the books he has with him.
3. This directs to another page where he includes the following fields:
- Book ISBN
- Title
- Author

- Book Category
- Availability

4. On the other hand, the Borrower who wants to request for a book will have a Request option, where they can search for the books.

5. This search can be done with the following fields:
- Search by Title
- Search by Author
- Search by Category

6. After the Borrower searches for a book, he gets the list of users having the book he requested.

7. Each user who has the book requested, specifies their Availability options which includes:
- Date
- Time
- Price

8. Now the borrower selects his preferences and chooses one among the available users.

9. Then a notification is sent to the selected user and he can accept or deny the request.

10. If the request is accepted then the user provides the location to collect the book.

PROPOSED DEVELOPMENT:
Ionic Framework, Android SDK, Angular JS, MySQL Database instance on Amazon RDS.

BACKUP PROJECT:
PROJECT TITLE: CAR POOLING
Car Pool is mainly used to share the journey, which reduces cost of fuel and tolls. Car Pooling is also Eco-friendly. First the person with the car registers himself in the application by providing his personal, car, route of the trip and bank details. Now, another registered user requests for a ride if he wants to go in the same route. Fare is computed depending on Type of car, Distance, Duration of the trip.

BIBILOGRAPHY:

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http://www.elprocus.com/top-software-engineering-projects-for-it-and-cse-students-in-2014/