Due: Monday, October 1, 2018, 8:00 AM (submit to BlackBoard, under Assignments)

File Type: PDF

Team No.9

Team Members

Siluo Feng

Robert Goss

Qixiang Liu

Jian Shen

Yiju Yang
Project Name (1-3 words)

Book-A-Book

announcements to outside faculty and companies. Project Synopsis (1-25 words)

Finding books for sale on campus and selling used books quickly for cash. Easily use, securely trade.

Project Description (150-250 words)

Why is the project being undertaken?

The reason for choosing this project is because this project is closely related to our students' life. It really solves buy-cheaper-books and sell-books-quickly problems. So this is a very useful application. The idea of this project may seem simple, but the project itself is challenging. We have to research on IOS development and many other areas including security and instant messaging. We can gain lot of experience that would benefit ourselves. Also, this project can be profitable in the future..

Describe an opportunity or problem that the project is to address.

Do you own any second-hand textbooks? Have you ever wondered who owned them before you? Our project solve these problems for you. We here to help make used books transactions easier, let you buy cheaper books and sell texts more quickly. Many students won't buy any textbooks unless it is required, and it will limit study resources for them. Our project is campus-based, so it will provide more secure trading environment.

What will be the end result of the project?

Users can purchase cheaper second-hand books through this platform, and the seller of the book can get a relatively high money back because of no middleman and no commission. In addition, the platform also set restrictions on seller, which to make transactions safer and more trustworthy.

Project Milestones

3-5 specific and measurable objectives per semester for first & second semester

First semester

      Research (September - October)

            Objective C

            IOS development

      Complete basic design and functionality(October - December)

            Front end design& back end design

            Ability to list a book for sell

            Ability to search for books on sale

            Ability to make a secure transaction

Second semester

      Add more functionality (January - March)

            Ability to locate user& verify user's identity(January - February)

            Communication with other users capability(February - March)

      Documentation

            User manual, UML and other documentation(March - April)

      Debugging& Testing& Polishing(April - May)

Project Budget

Macbook (1300$)
Apple Developer Account Annual Fee($99)
Resources
      Iphone used for testing
      Database for selling items and users
      IOS development API& xcode

Who will do what

	Siluo Feng	Robert Goss	Qixiang Liu	Jian Shen	Yiju Yang
Research on IOS development	☑	☑	☑	☑	☑

Front-end design	✓		✓		
Back-end design		✓		✓	✓
Ability to list books for sell		✓	✓		
Ability to search books on sale& make transaction	✓			✓	✓
Ability to locate users			✓		
Communication	✓	✓			✓
Documentation		✓	✓		
Testing			✓	✓	
Debugging& polishing	✓	✓	✓	✓	✓

Github Link

https://github.com/YijuYang/Senior_Design.git