

Team1 Project Proposal
MET CS673

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1. Project title, Group number or name

Project title:

Used Book Exchange

Group member:

Duan Peiyan	pyduan@bu.edu
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2. URL of your project's website and tools

Project's website:

<https://github.com/HiroakiMachida/metcs673-team1>

Project management tool:

<https://trello.com/b/gQbniGuL/met-cs673-team1>

Version control tool:

<https://github.com/HiroakiMachida/metcs673-team1>

Document collaboration and sharing:

https://drive.google.com/file/d/19uNCW54rUlnQY4_ko7QqcRyJQraVKevd/view?usp=sharing

Communication:

<https://team1-kg99518.slack.com/>

[https://join.slack.com/t/team1-](https://join.slack.com/t/team1-kg99518/shared_invite/enQtOTE5NTk2MTg0MTY0LTYyYTExYTl4ZjgzNmVhNWI3Nzc1ZjcxYTcxY2JiMDIxM2IxM2Y0MWFmNzIxZTkxYTc3ODZlOGU2MzNhNjBjNjE)

[kg99518/shared_invite/enQtOTE5NTk2MTg0MTY0LTYyYTExYTl4ZjgzNmVhNWI3Nzc1ZjcxYTcxY2JiMDIxM2IxM2Y0MWFmNzIxZTkxYTc3ODZlOGU2MzNhNjBjNjE](https://join.slack.com/t/team1-kg99518/shared_invite/enQtOTE5NTk2MTg0MTY0LTYyYTExYTl4ZjgzNmVhNWI3Nzc1ZjcxYTcxY2JiMDIxM2IxM2Y0MWFmNzIxZTkxYTc3ODZlOGU2MzNhNjBjNjE) (for sign up)

3. Team profile

Duan Peiyan:

Fluent in Java, Js, Mysql. Worked as a mobile developer for a year, experienced in Android and Swift iOS development.

Ding Shenjie:

Skills: python, SQL, java(not good), not much experience in programming

Machida Hiroaki:

Has some experience as a Java developer.

Java, ruby(Ruby on Rails), C++, Python, SQL, PL/SQL, HTML, CSS, JavaScript Database: Oracle, MySQL

Eclipse, Visual Studio C++, RubyMine, SVN, Git, Maven, Jenkins, JIRA, Redmine

Japanese (Native), English (Fluent), Chinese (Basic)

Deshpande Amol:

Developer at IBM.

Java / JS/ On Prim / On Cloud/ HTML/ JS/ CSS, Databases Relational (DB2, Oracle, MySQL), No SQL (Mongo and Cassandra). Experience in designing and developing server side implementations for enterprise products and features.

Sinha Shaurya:

Anything web related. I've worked as a frontend dev for 2 years. But I prefer doing backend for this course. Languages: JavaScript, Python, Java, CSS/HTML, Ruby, RoR.

Sun Jingqian:

Java, HTML, Javascript, Python

Wu Shenyuan:

have experience on Java development and Python for college assignments and project.

Java, R, Mysql, Python, HTML

4. Proposed project description

Vision:

FOR university students WHO finished their courses and have used books. THE Used Book Exchange is an online exchange platform THAT students can use to sell their used books for high price and buy for low price UNLIKE other bookstores with low selling price and high buying price. OUR PRODUCT saves student's money a lot!

Typical customers:

Whereas the used book service can be useful for many who wish to buy and sell used books, the typical customers and end users are the university grad and undergrad students who are generally in need of books every semester.

Description:

The used book exchange platform provides end users primarily to buy and sell used books. It allows same book print to be used multiple times while making it affordable at the same time. The platform would allow end users to register themselves. Users would be able to search, publish, buy books online.

Functional features:

- User Management - Creation, Login

Platform would provide user management module allowing new users to be registered. User preferences would capture the interest areas of users that can be used to send arrival and availability of new entries.

- Register selling or buying books

The registered users, after validation, can search existing books, buy a specific book, publish books for sales.

- Store transaction history

The platform would store book order and transaction history along with reports on books made available for sale.

- Reporting and Reviews

The platform would provide ability to the users to provide reviews and recommendations on available books. Users would be able to see reports on page views, user sales, open market book prices for comparison, etc.

5. Plan of work and product ownership:

Plan of work:

- Create and submit project proposal [1/29]
- Prepare tools [1/29]
- Prepare development framework & environment [2/2]
- Define functions for iteration 1 [2/2]
- Implement functions for iteration 1 [2/27]

Project management team:

Responsible for project management.

- Project Control

Machida Hiroaki *Project Manager
Ding Shenjie

Front-end team:

Responsible for front-end.

- Front end UI design
- Front structuring

Sinha Shaurya

Back-end team:

Responsible for back-end.

- Set up framework
- Database Design, API Design
- Create database schema
- Set up API for frontend
- Password sanitation

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