

American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation

Project Report

Summer 21-22

Project Title: Renting-Borrowing Service

Section: D

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Introduction:

People occasionally want different items in day-to-day life to fulfill their temporary needs. These items can be a camera, cycle, book, or any kind of item. Since the need is temporal, a person decides to buy the item it will not be beneficial in long term. Thus, it can be counted as waste. Therefore, what the person can do instead of buying, he/she can borrow from others who already own those items.

Background Study:

1. [Rentsher](http://www.rentsher.com): This is the website that mostly exhibits the vision of the project we intend to do. Here, anyone can rent or borrow anything. The rental period is a minimum of one day. There are various categories but it mostly focuses on IT products.
2. [Furlenco](https://www.furlenco.com/): This website is also similar to the previous one. But it has many other items like- furniture and electronic appliances. Then the owner of the products is the website itself. So, no one other than the corporate can rent their items. Here, users can only take items in exchange for rent, and not rent.

Requirement Analysis:

1. User Category:

There are 4-types of Users here. They are-

·         Type 1 - Admin

·         Type 2 - Customer Support

·         Type 3 - Owner

·         Type 4 - Borrower

2. Feature List:

In this project, the “User Type 1 - Admin” has the following features:

·         Feature 1 - LogIn

·         Feature 2 - Change Password

·         Feature 3 - Logout

·         Feature 4 - Update Customer Support

·         Feature 5 - Verify Users

·         Feature 6 - Search Users

·         Feature 7 - Block Any User

·         Feature 8 - Search Items

·         Feature 9 - Verify Items

·         Feature 10 - View Transactions

·         Feature 11 - Accept/Reject Request for Compensation

·         Feature 12 - Review Complaints

In this project the “User Type 2 - Customer Support” has the following features:

·         Feature 1 - LogIn

·         Feature 2 - Change Password

·         Feature 3 - Logout

·         Feature 4 - View Transactions

·         Feature 5 - Block Owner/Borrower

·         Feature 6 - Review Complaints

·         Feature 7 - View All Support Activites

·         Feature 8 - View Active Owners and Borrowers

·         Feature 9 - Download Active Owner and Borrower List

·         Feature 10 - Upload Picture

·         Feature 11 - View All Interactions

·         Feature 12 - View Profile

In this project the “User Type 3 - Owner” has the following features:

·         Feature 1 - Create Account

·         Feature 2 - LogIn

·         Feature 3 - Change Password

·         Feature 4 - Logout

·         Feature 5 - View Profile

·         Feature 6 - Update Info

·         Feature 7 - List Items for Rent

·         Feature 8 - Accept Rent Request

·         Feature 9 - Set Price

·         Feature 10 - File Complaint

·         Feature 11 - Request for Compensation

·         Feature 12 - Review Other Users

In this project the “User Type 4 - Borrower” has the following features:

·         Feature 1 - Create Account

·         Feature 2 - LogIn

·         Feature 3 - Change Password

·         Feature 4 - Logout

·         Feature 5 - View Profile

·         Feature 6 - Update Info

·         Feature 7 - Search Items

·         Feature 8 - Request Itesm

·         Feature 9 - Negotiate Price

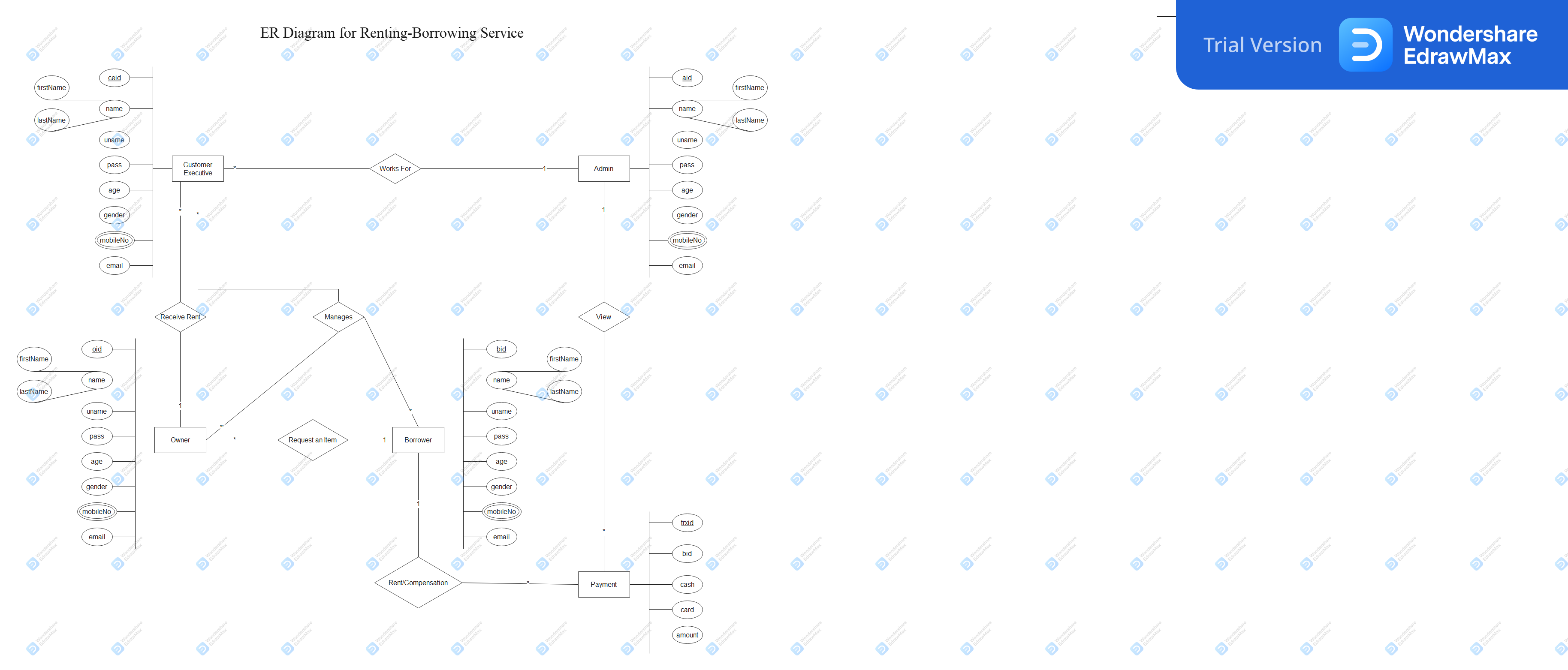
·         Feature 10 - Make Payment

·         Feature 11 - Download Invoice

·         Feature 12 - File Complaint

·         Feature 13 - Review Other Users

Design:



Tools Used:

To develop this project, we have used the following:

•       HTML

•       PHP

•       JSON.

•       XAMPP.

•       AJAX

•       JAVASCRIPT.

•       JQUERY

System Images against the Specification:

|  |  |
| --- | --- |
| Borrower | |
|  |  |
| 1. Borrower SignIn Page | 1. Borrower SignUp Page |
|  |  |
| 1. Borrower Homepage | 1. Borrower Post-Homepage |

1. Borrower SignIn Page: It acts as the first page for the User Type 4 – Borrower. From here, a borrower can sign in to access the next page. If a person is not registered as a borrower in the system, he/she can signup.
2. Borrower SignUp Page: From the SignIn page, a person comes to this page. The person who provides the necessary information uses the system as a borrower.
3. Borrower Homepage: The features that a borrower can use will be listed on this page.
4. Borrower Post-Homepage: There will be more pages like this where the results of the actions taken by a borrower will be shown.

|  |  |
| --- | --- |
| Customer Executive | |
|  |  |
| 1. Customer Executive LogIn Page | 1. Customer Executive Registration Page |
|  |  |
| 1. Customer Executive Homepage | 1. Customer Executive Extra Page |

The pages of User Type 2 – Customer Executive will also work the same as the before mentioned User Type 4 – Borrower.

Impact of this Project:

In this modern digitalized society, this kind of renting-borrowing service can be very effective if properly implemented. People will be able to use what they actually need. Sometimes, a person might want an item for a temporary need. Like- I can use a camera for a vacation trip. After the trip, I do not need the camera. So, if I buy an item for these kinds of one-time purposes, then it can be considered a waste. It will impact economically and environmentally. We can implement the renting-borrowing service in this type of scenario. Thus, an item can be reused many times in its life cycle.

Limitations and Possible Future Improvements:

The idea of this project is very basic. So, the money transaction of this system might not be industry standard. This should be the major limitation of this project till now. Then there is the UI(user interface) that is not remarkable or anything. If a service will be successful or not that is heavily dependent on the services or features it will provide and the early adopters. Therefore, the feature list could be improved more and find out the potential early adopters.

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| CO1.1 and CO2.1 Evaluation: Project Report Evaluation | | | | | |
| Project Proposal  (5) | Background  Study  (5) | Requirement Analysis  (5) | Entity  Diagram   (5) | System Images  against the  Specification (5) | Total  (25) |
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|  | | | | | |