

CPSC 5240-01

Software as a Service

Project Definition

Project Title: House-Hold Rental

Team Name: Alpha

By

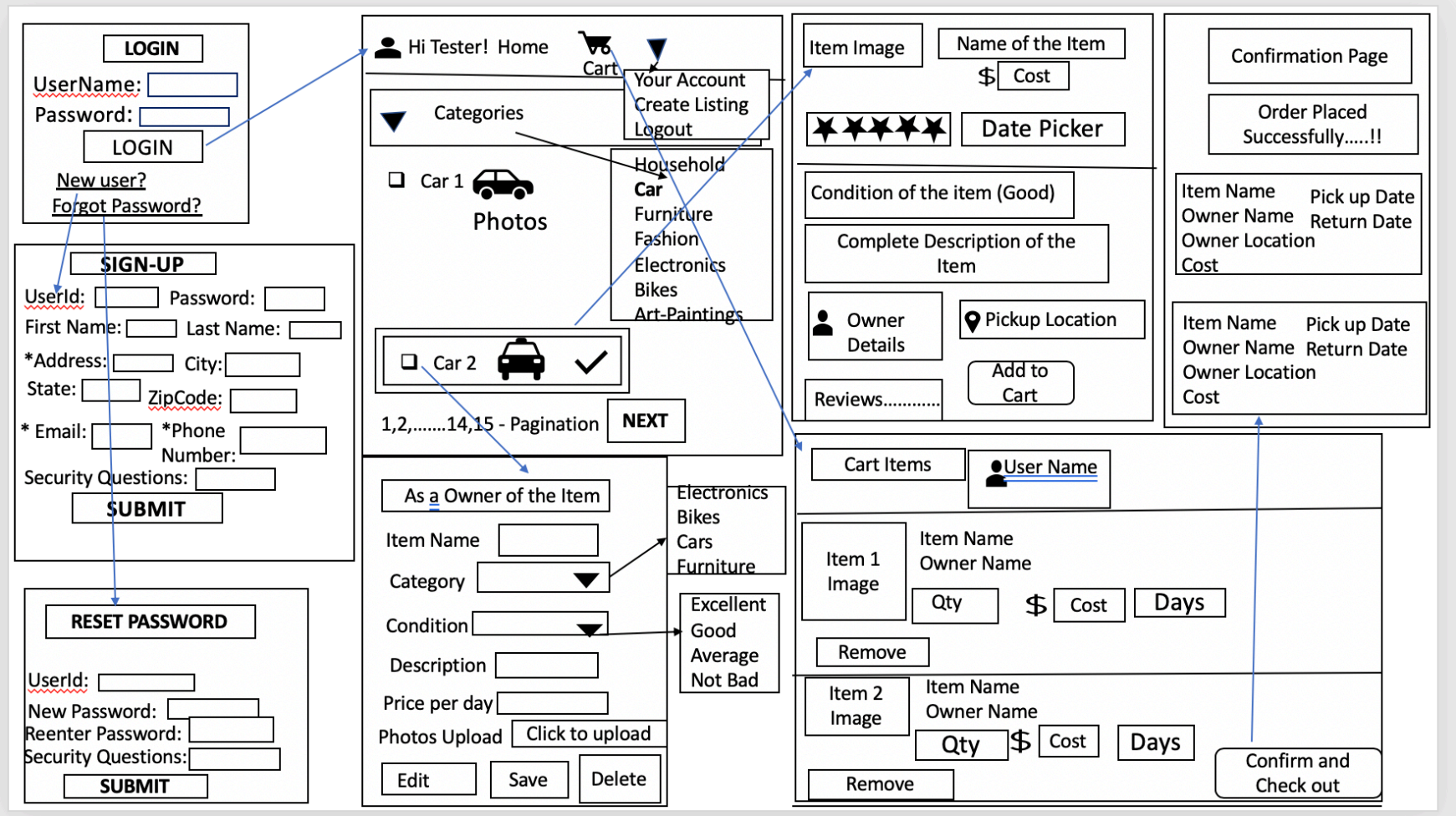
Team Members

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FULL STORYBOARD



STORIES BUILT

1. **Login:** Registered user should be able to enter username and password and be able to login.

Backend: Querying and validating user credentials.

2. **Sign Up:** New user Should be able to create account.

Backend: User data is used in querying and validating user credentials.

3. **Reset Password:** User should be able to reset password if forgotten.

Backend: Security questions are validated based on user table data.

4. **Header Section:** User should be able to do header logout , clicking home for home page, create listing for the owner to create item and cart for cart page.

5. **Home Page:** User should be able to see all household items which are available for renting and should be able sort based on category.

Backend: All items which are stored in database will be displayed.

6. Create Listing Page: Owner should be able to upload the item along with image so that others can rent it.

Backend: Saving the item details to database

7. Item Display Page: User should be able to see all the item details and the owner details and select the dates they want to rent and be able to add the item to cart.

Backend: Fetching the item details and saving the item details to cart.

8. Shopping Cart Page: User should be able to see the final list of items they want to rent and be able to remove the item from the cart and proceed to confirm and checkout.

Backend: Fetching the cart details and deleting the item details on remove and adding the cart details to order and deleting in cart.

9. Order Confirmation Page: User gets a confirmation Message along with the item details

Backend: Fetching order details from database.

SUMMARY OF WEBSITE:

It is to provide people an online service, where people can rent household goods, cars etc. on daily basis.

Technologies Used:

Frontend: HTML, JavaScript, JQuery

Bootstrap CSS

Middleware: MVC Java Spring (service Layer)

Backend: MongoDB

Tool used: Eclipse, Robo3T

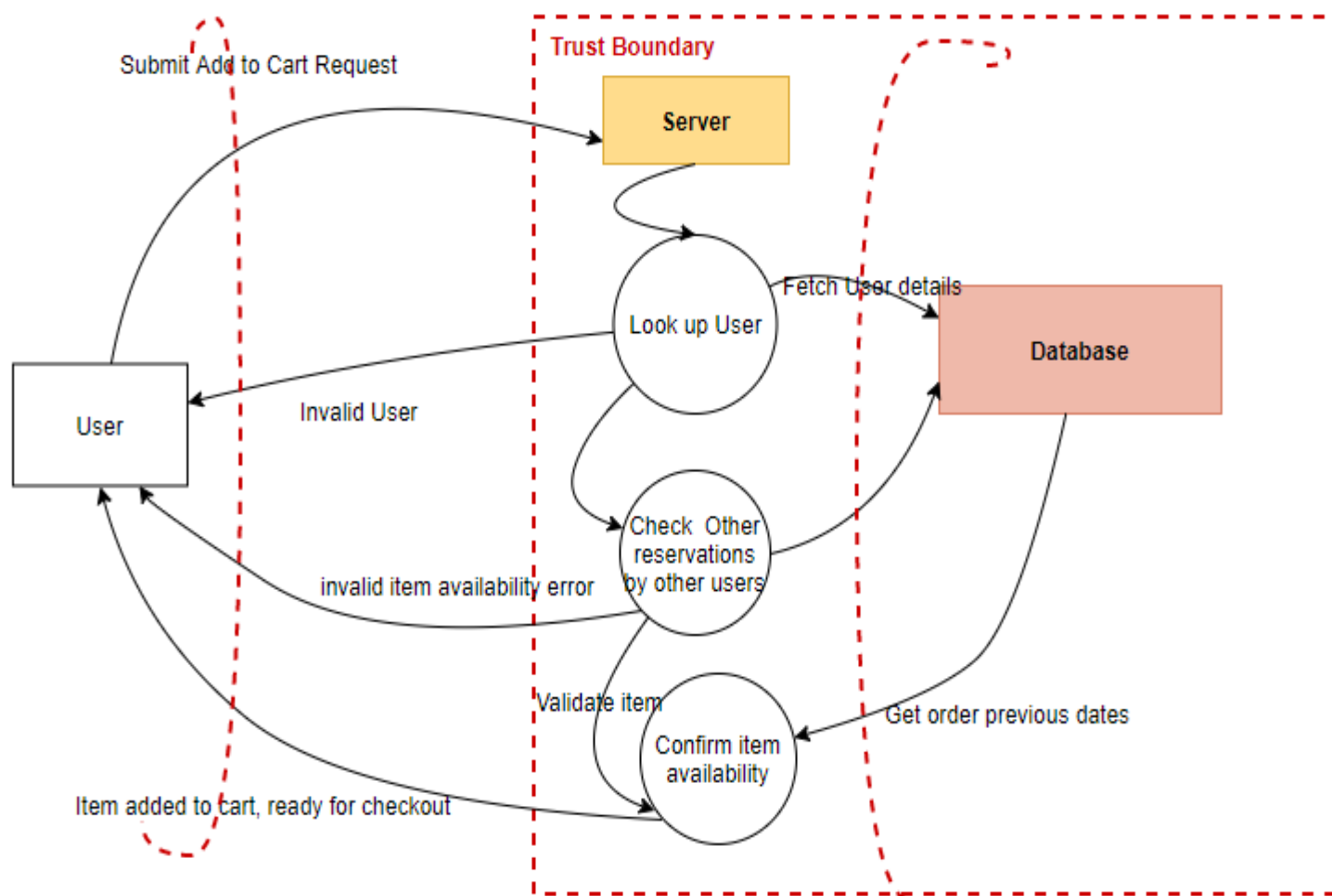
Website Flow:

As a new user, after signup, user can login to the website with the username and password. If user forgets password, he can reset answering the few security questions. Login redirects user to the homepage. In home page, user can choose any of the items based on the category and click on the item name link which will be redirected to item display page where user can get all the item details, owner details, date picker to choose the dates to rent and also be able to add the item to cart. User can also select multiple items by clicking the 'home' in the header. If user is a owner they can upload the item by clicking the 'create listing' in the header. All the items

that are added to cart can be viewed by clicking the 'cart' in header. In shopping cart page user can be able to remove the item if he is not interested and proceed to order confirmation page by clicking confirm and checkout where he can see the order details. User can logout from the header.

THREAT MODEL:

For Item display page



LOOKING BACK:

Doing the project end to end from story boards to deployment is a good learning experience.

We should have spent less time on deciding the technologies. As every technology is new it took more time in the initial days but took less time during the later days of project building and we would have spent more time during the initial days planning the features, completing one feature at a time rather than starting all at a once.

It was effective course and technologies were well covered. We also got an idea of how to deal on these subjects during interviews. We got a broader picture of the subject. There were many technologies covered in the class, which was a bit confusing in the beginning but later on it was comfortable.

