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1. Web Application Title and Description

Web Application Title:

Sweet Home

Description:

Sweet Home(SH) is a real estate website that provides property services like "Buy property"," Rent property", and "Sold property". Customers who use the SH website can process their properties in previous services. Staff can manage orders and do essential add, delete, search, modify actions. To increase service performance, all log in have validation checks. In the sign-up stage, the email format has validation. Property has status validation. The property contract date has confirmation.
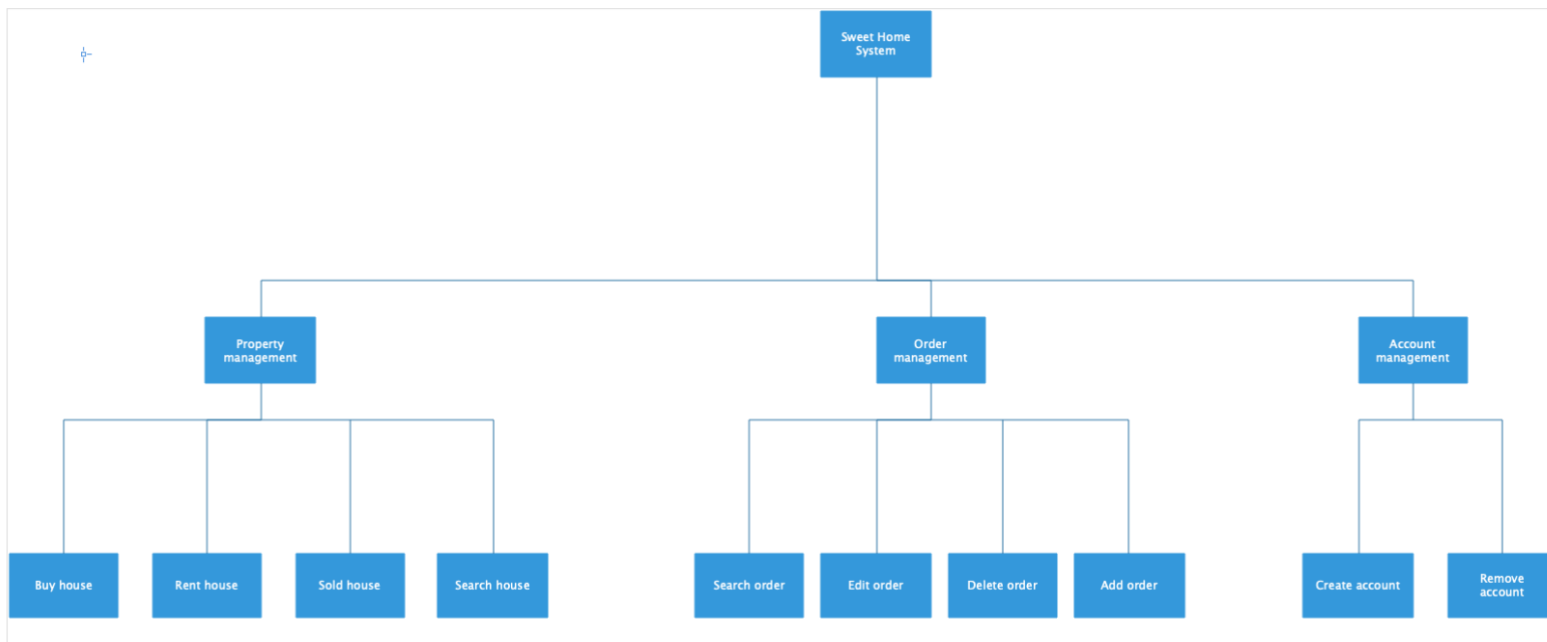
2. High-Level Block Diagram

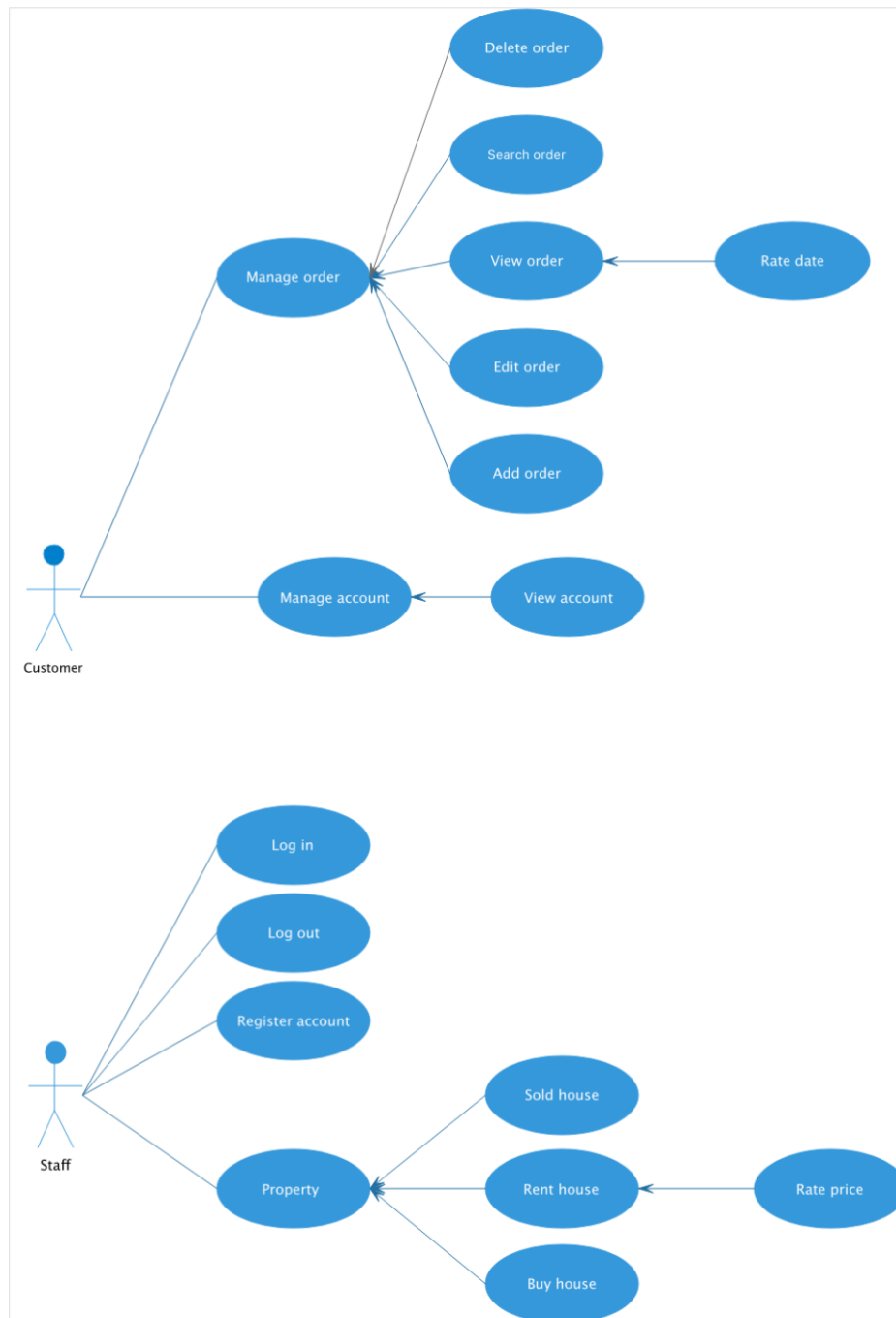*figure 1: Functional diagram (Sweet Home)*

3. Use case Diagram

figure 2: Use case diagram

4. Validations

1. BR(A.2)- Responsiveness: Sweet Home website should have responsiveness capacity like when customers zoom in and zoom out the website. The layout should be correct, and information should not be lost.

2. BR(B.1)- Authentication: System will check account information then allow users to log in and jump into the home page.

3. BR(C.1)- Role-based authentication: When users log in, the system will check authentication. Staff can do actions on order; Customers can only do activities on Properties. Staff can remove accounts, but customers do not have rights.

4. BR (C.2): Validations: Property has date validation. If the property should obey the contract date. It means the property can not be bought or rent by other people when it has a tenant and owner.
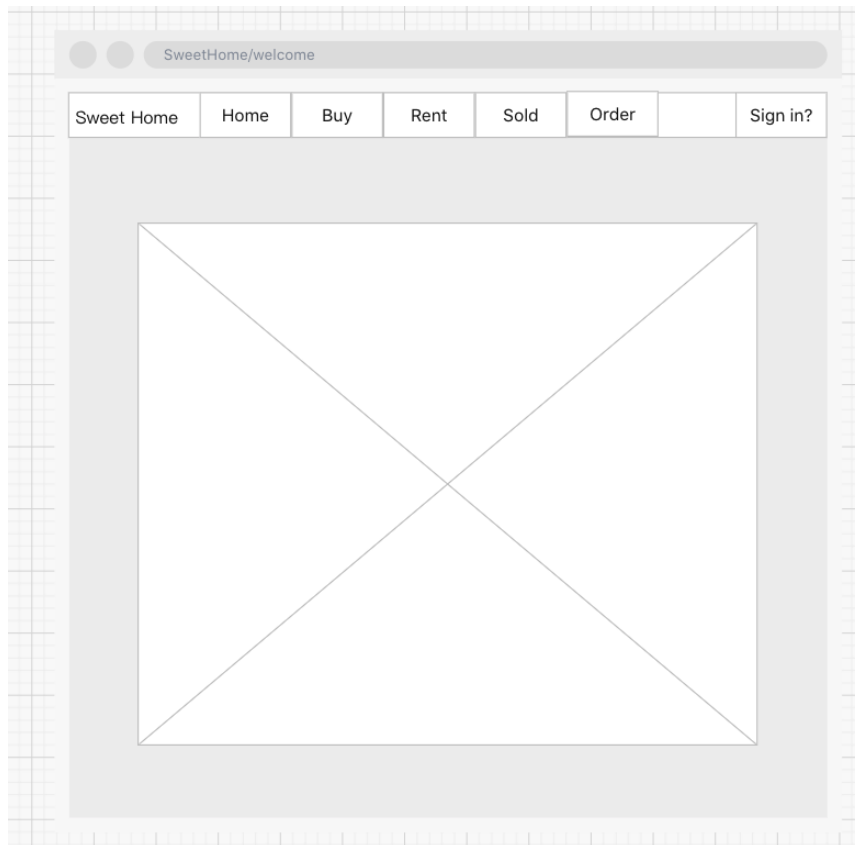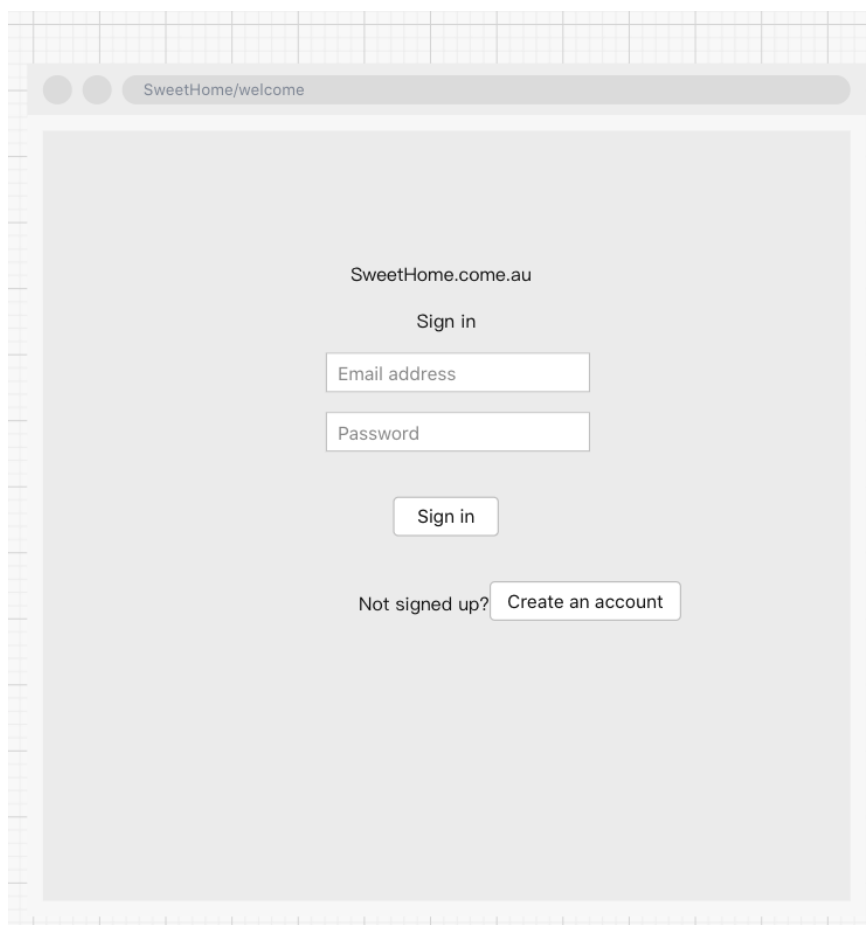
5. Mockup Prototypes Design

figure 3: Home page
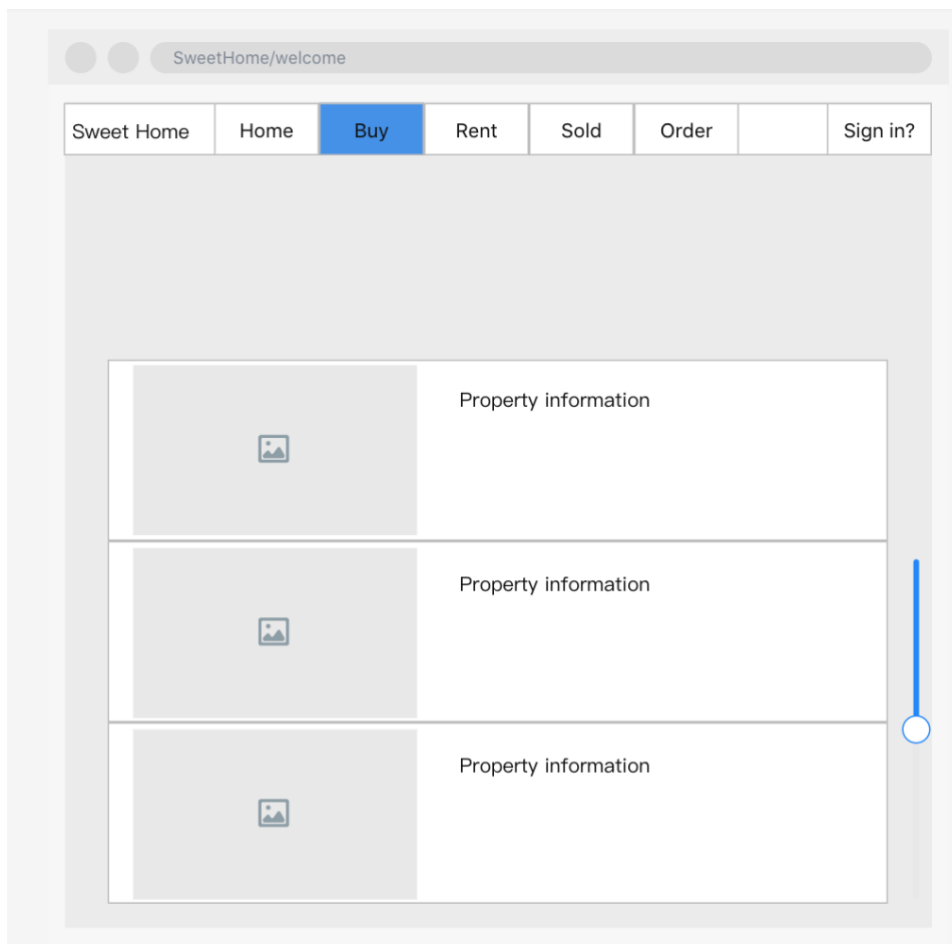

figure 4: Sign in page
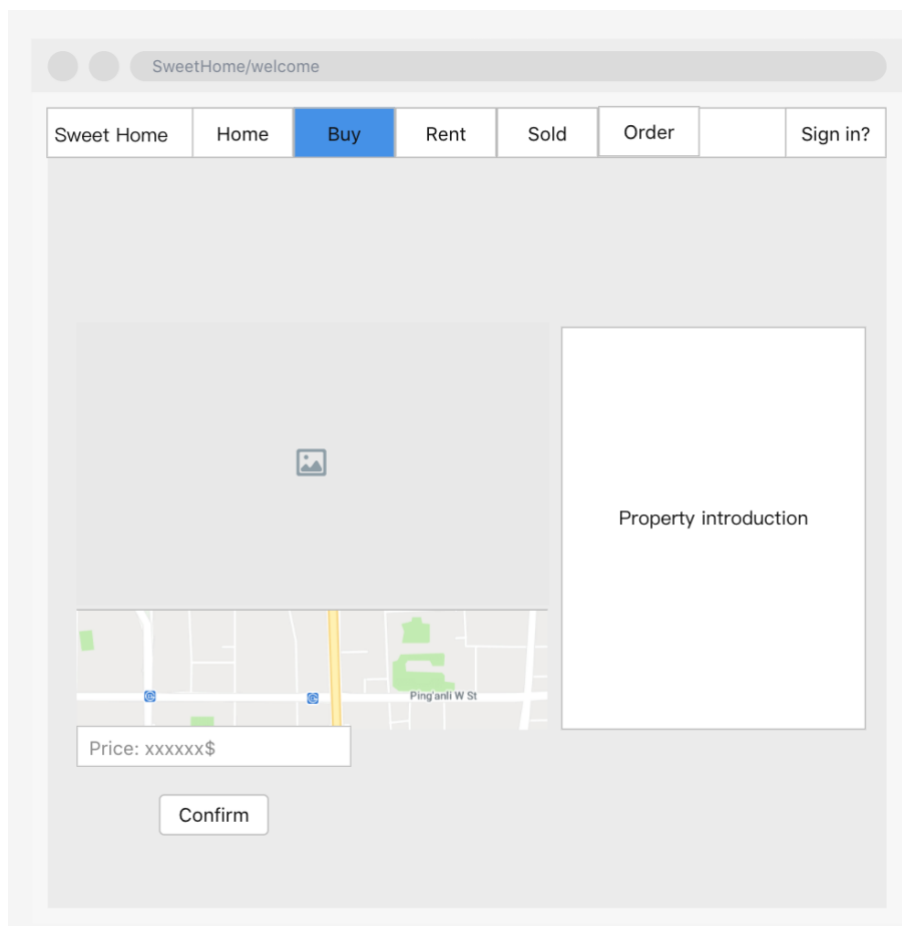
figure 5: Buy page

figure 6: Detail page

Declaration

I declare that this Studio Assessment Task 1 report is my individual work. I have not copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the report, nor has any part of this submission been written for me by another person.

Signature: *peiyu liu*