

This document presents the projects I've actively contributed to during my time at university. It includes examples of my work, collaborations, and any materials that I have the authority to share.

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EcoLocator: Focuses on finding recycling spots.

designed to make recycling easier and more rewarding. The app helps users locate the nearest recycling machines quickly, guiding them to drop-off locations for various recyclable materials. Users earn points for every successful recycling action, which can be redeemed for rewards. This app aims to encourage eco friendly habits by combining convenience, rewards, and sustainability, making recycling a more engaging and accessible experience for everyone.

Persona

Abo Mohamad

Occupation: Retired

Demographics:

72 years old

Al Masef neighborhood

Goals and Needs: Abo Mohamad is a retired man with a wheelchair who is passionate about environmental sustainability. He wants to contribute to recycling efforts but faces challenges due to his limited mobility. He is motivated by a desire to make a positive impact and connect with his community.

Pain Points: Limited mobility, difficulty accessing recycling facilities, lack of awareness about recycling programs.

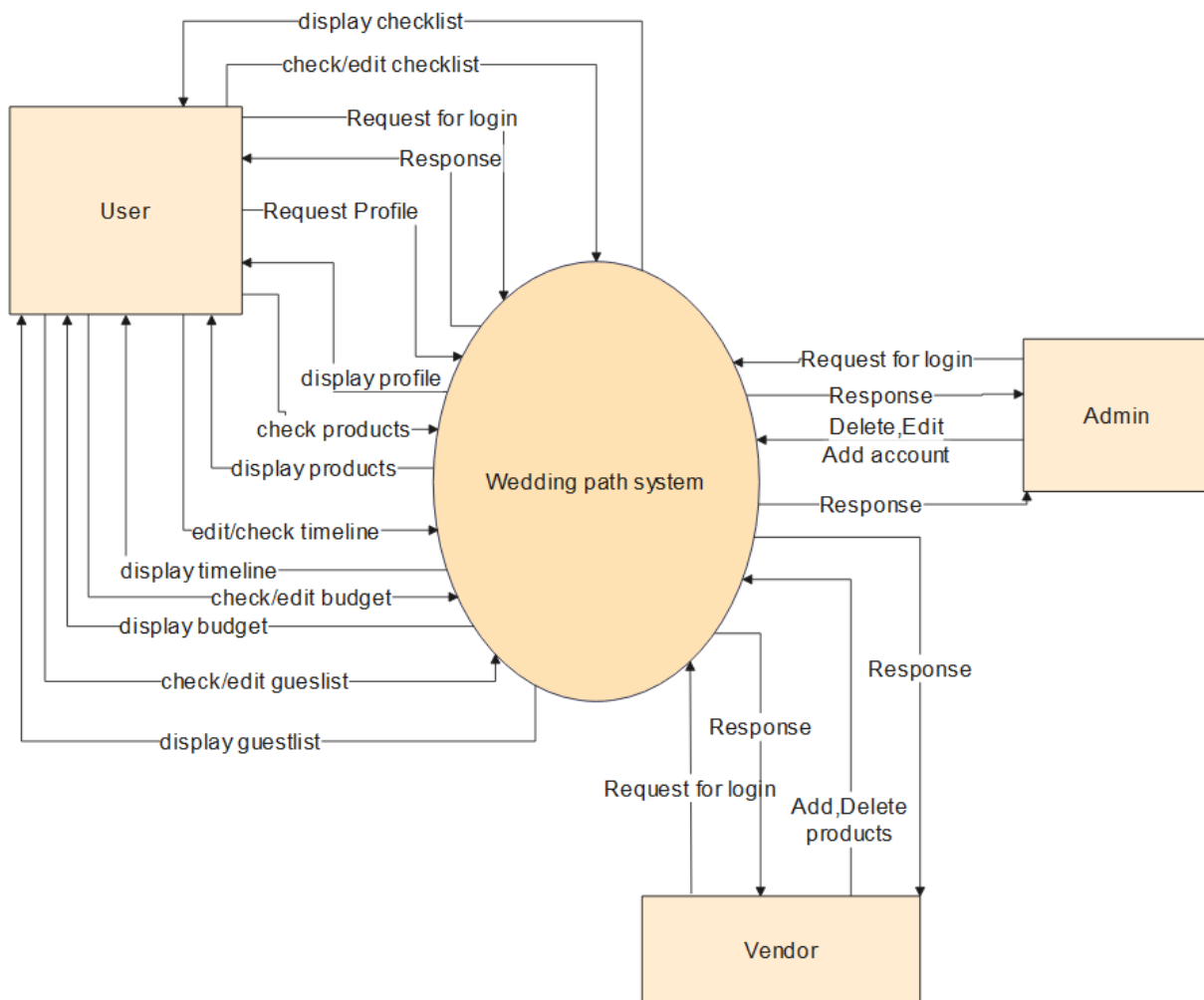
Relevant Patterns of Behaviors: Uses a smartphone for daily tasks, environmentally conscious, enjoys learning about new things, a desire to make a positive impact, a sense of responsibility to future generations, and is interested in local community events.



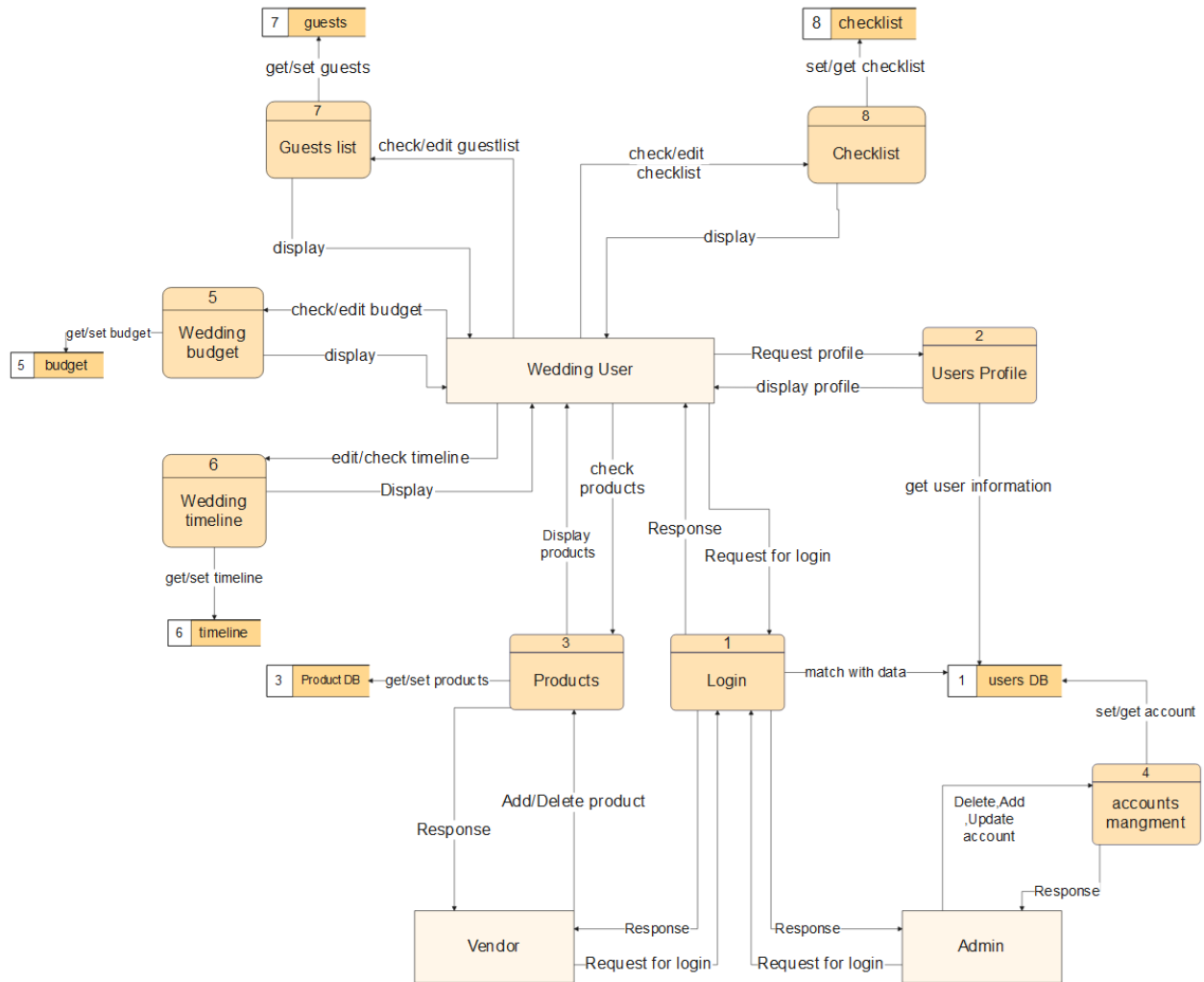
Wedding Path: wedding planner

Wedding Path is an all-in-one platform designed to make wedding planning easy and enjoyable. It helps couples find the perfect venue based on their preferences and connects them with essential wedding services from catering and decor to photography. By bringing everything together in one place, Wedding Path simplifies the process and takes the stress out of planning.

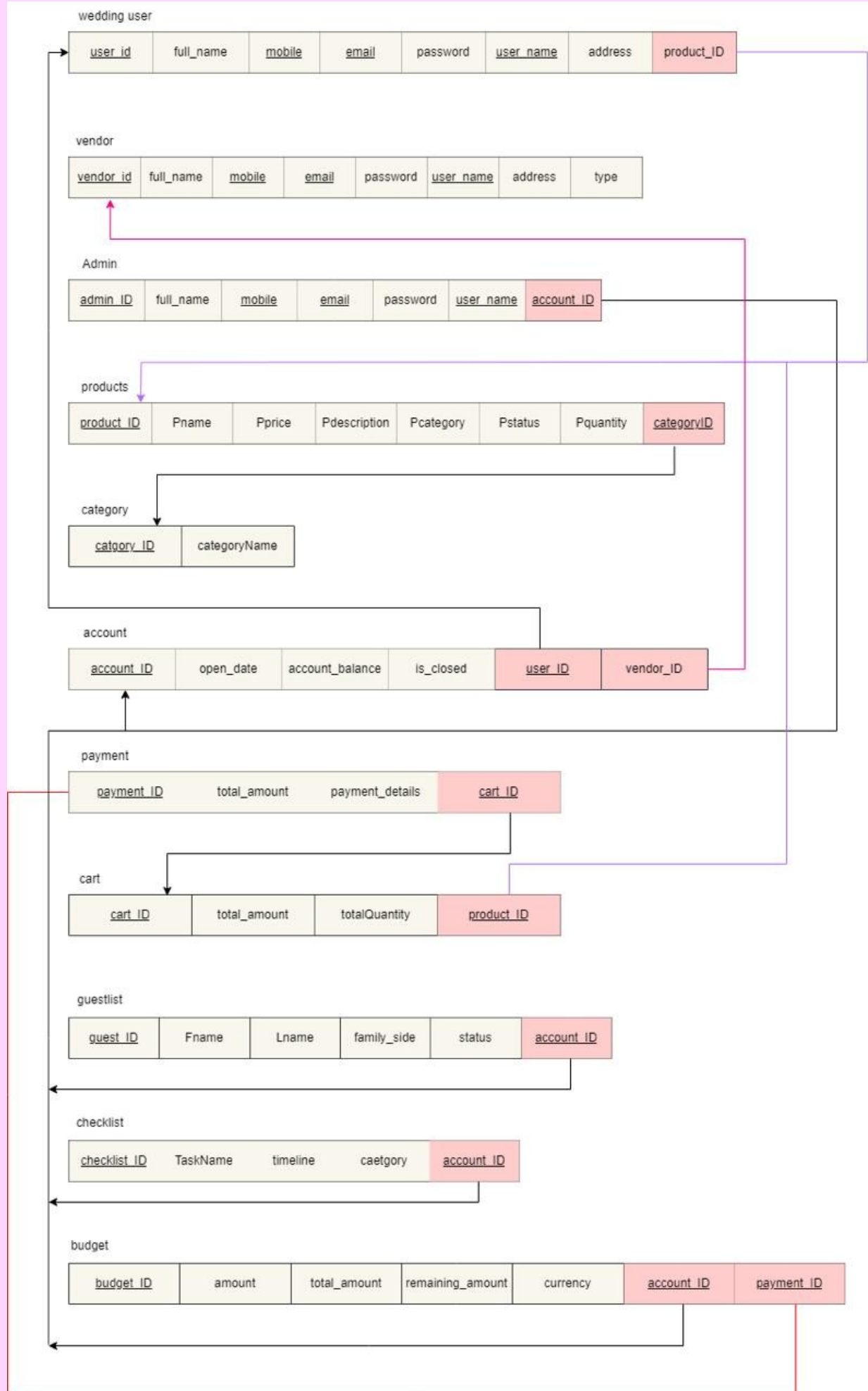
Data flow lvl 0



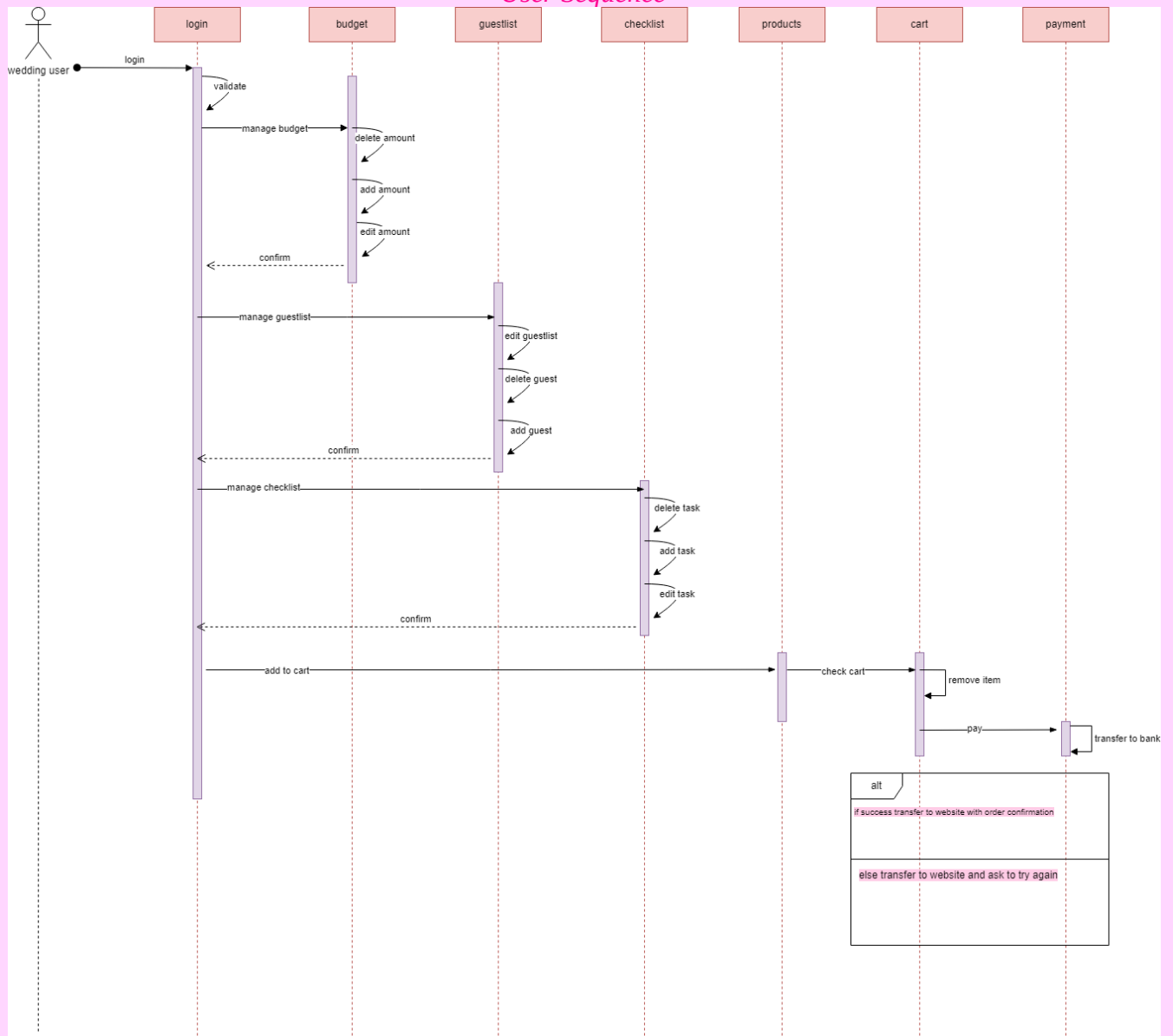
Data Flow lvl 1



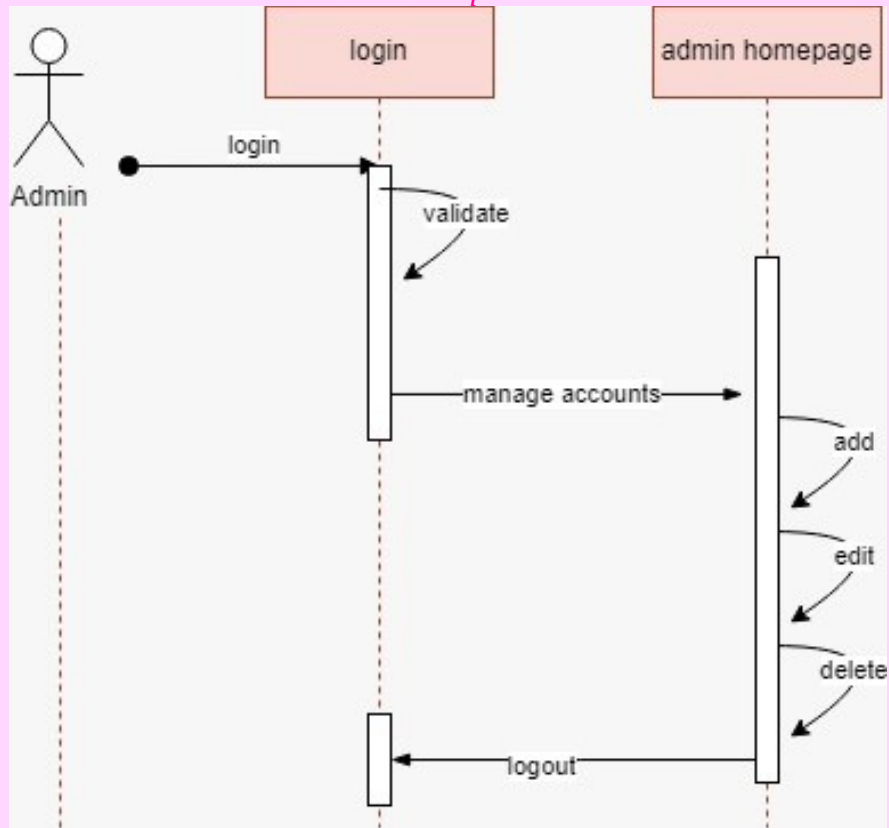
Schema



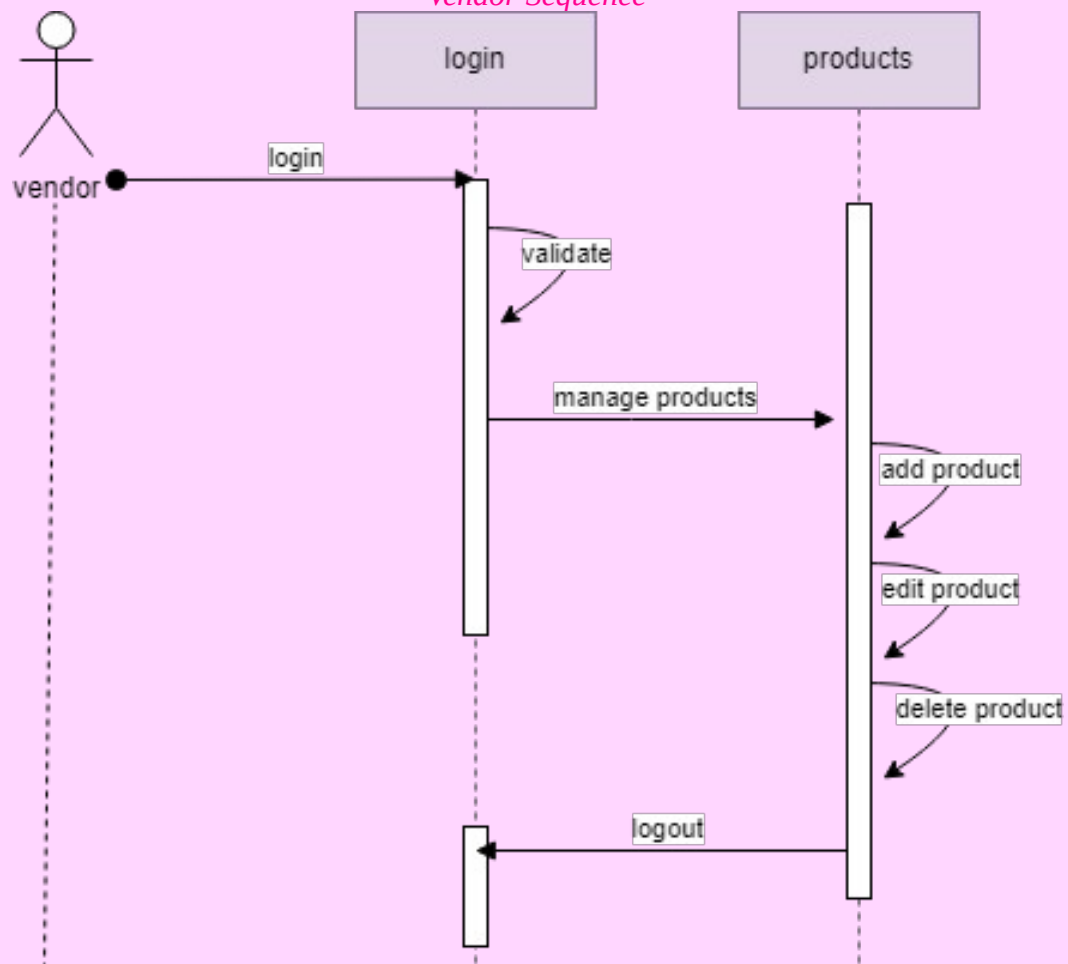
User Sequence



Admin Sequence

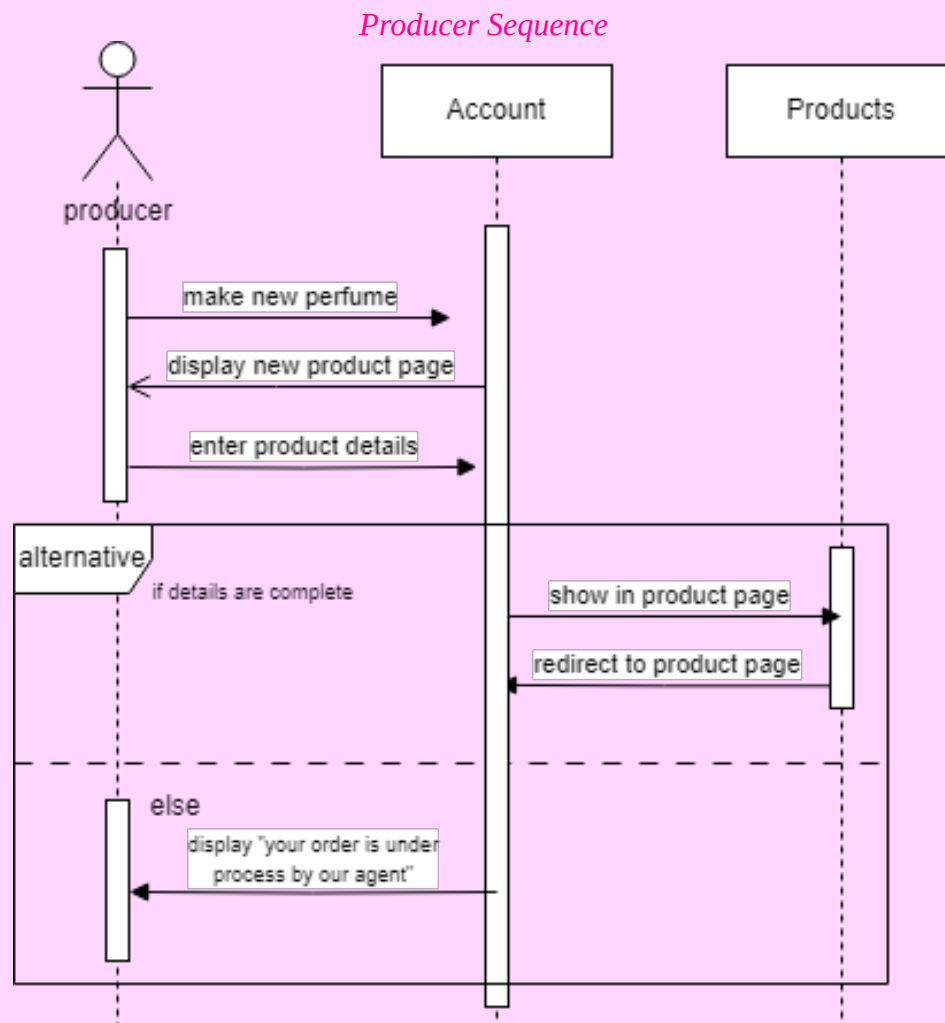


Vendor Sequence

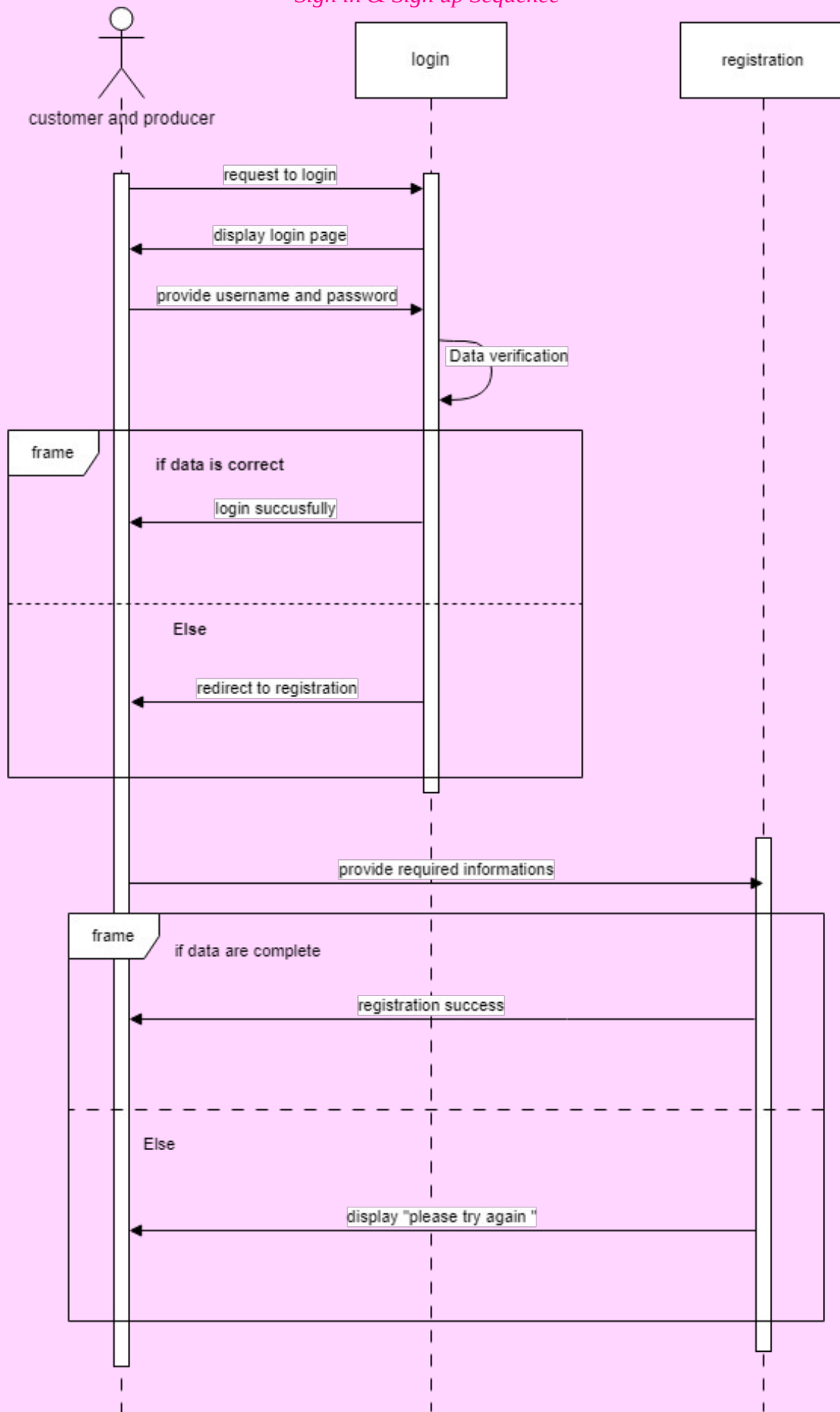


ScentCraft

Shopping for perfume in physical stores is often time-consuming and stressful, with limited selection compared to online stores. While online shopping is more convenient and offers a wider range of fragrances, it lacks personalized options. Many customers wish to choose specific ingredients to avoid allergens or to create a custom scent that truly reflects their style. Our app addresses this by offering a selection of popular brands alongside a unique feature that lets users design their own fragrance, choosing ingredients to craft a personalized and distinctive scent experience.

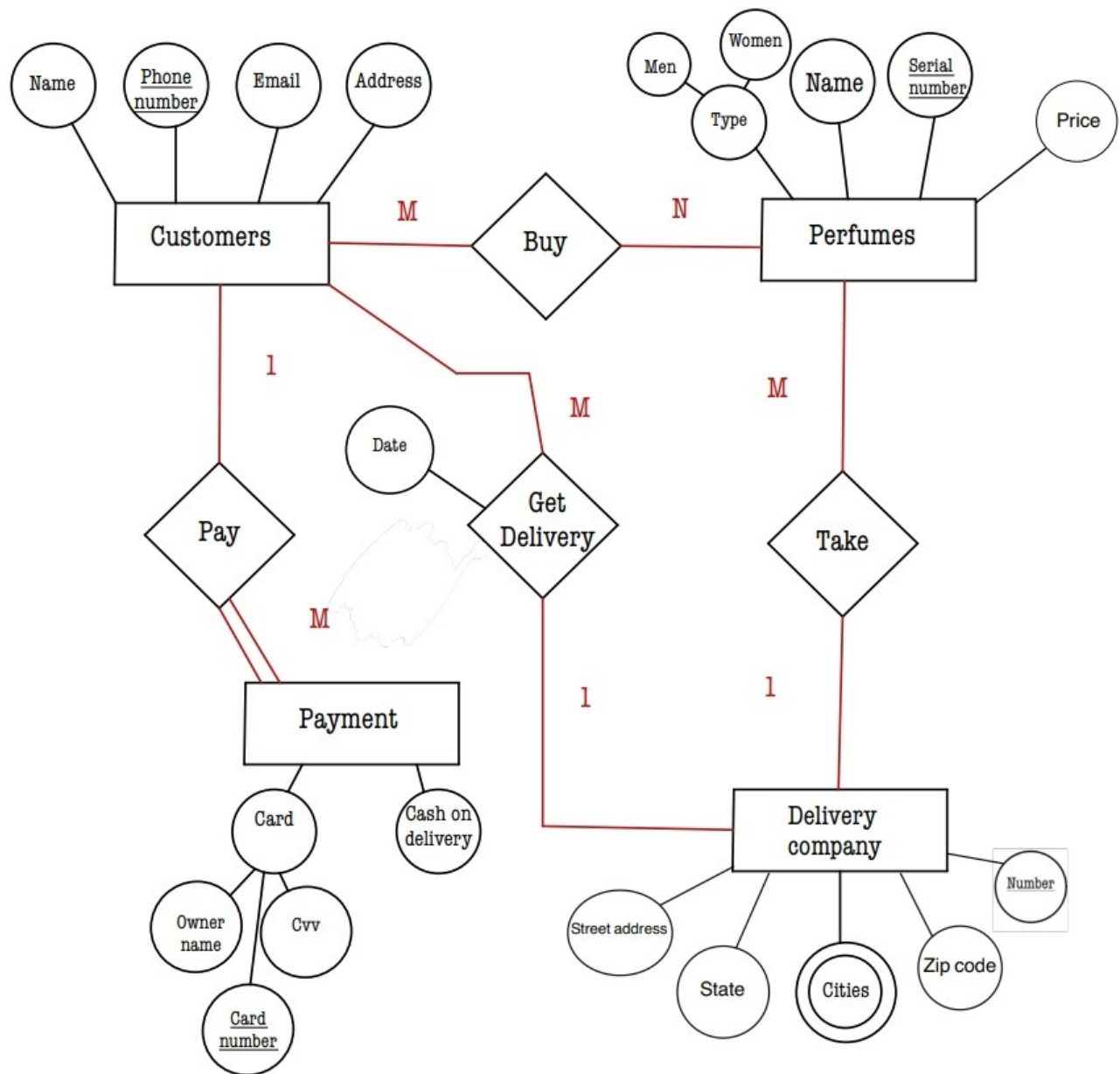


Sign in & Sign up Sequence



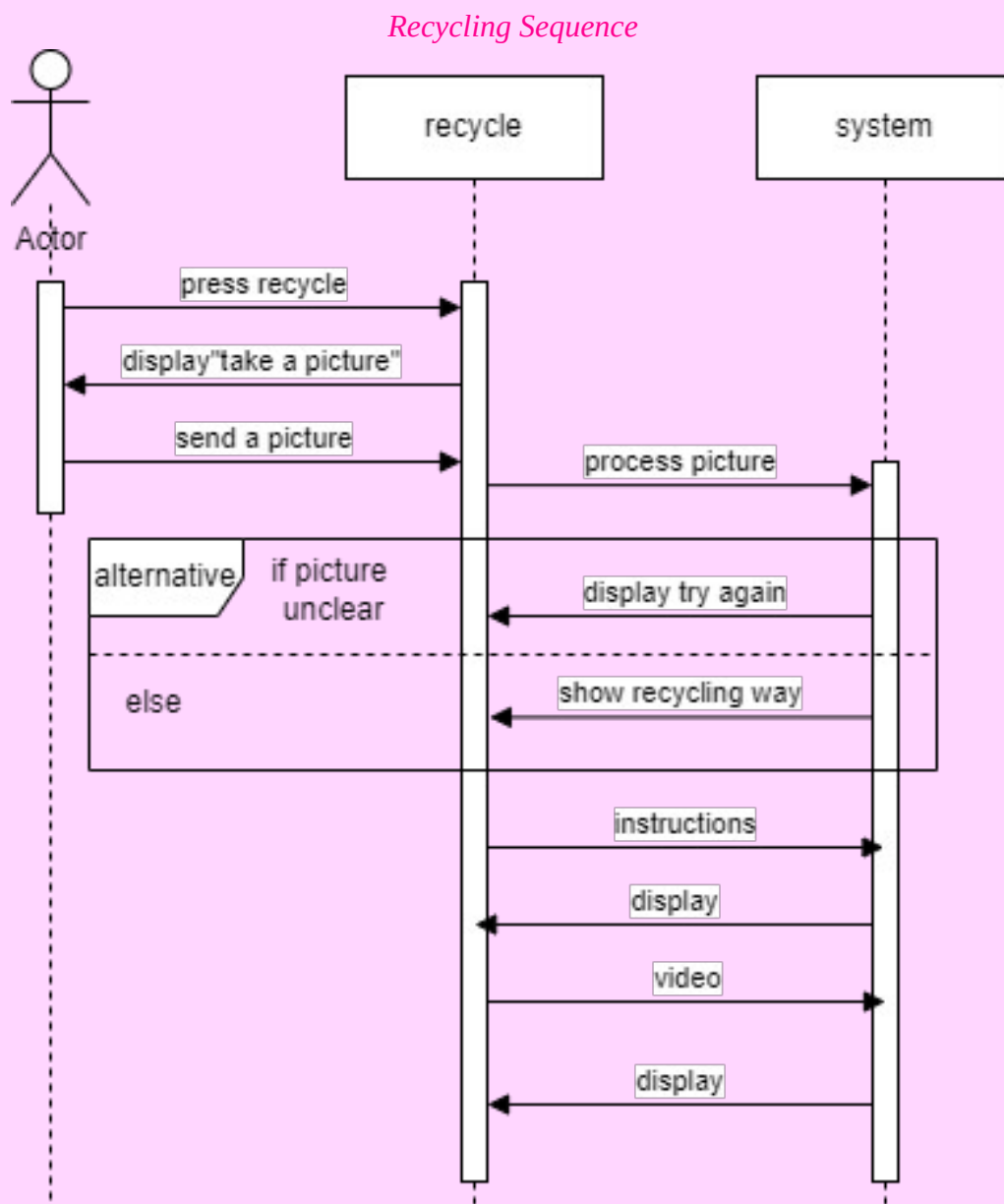
Perfume online shop

Entity Relation

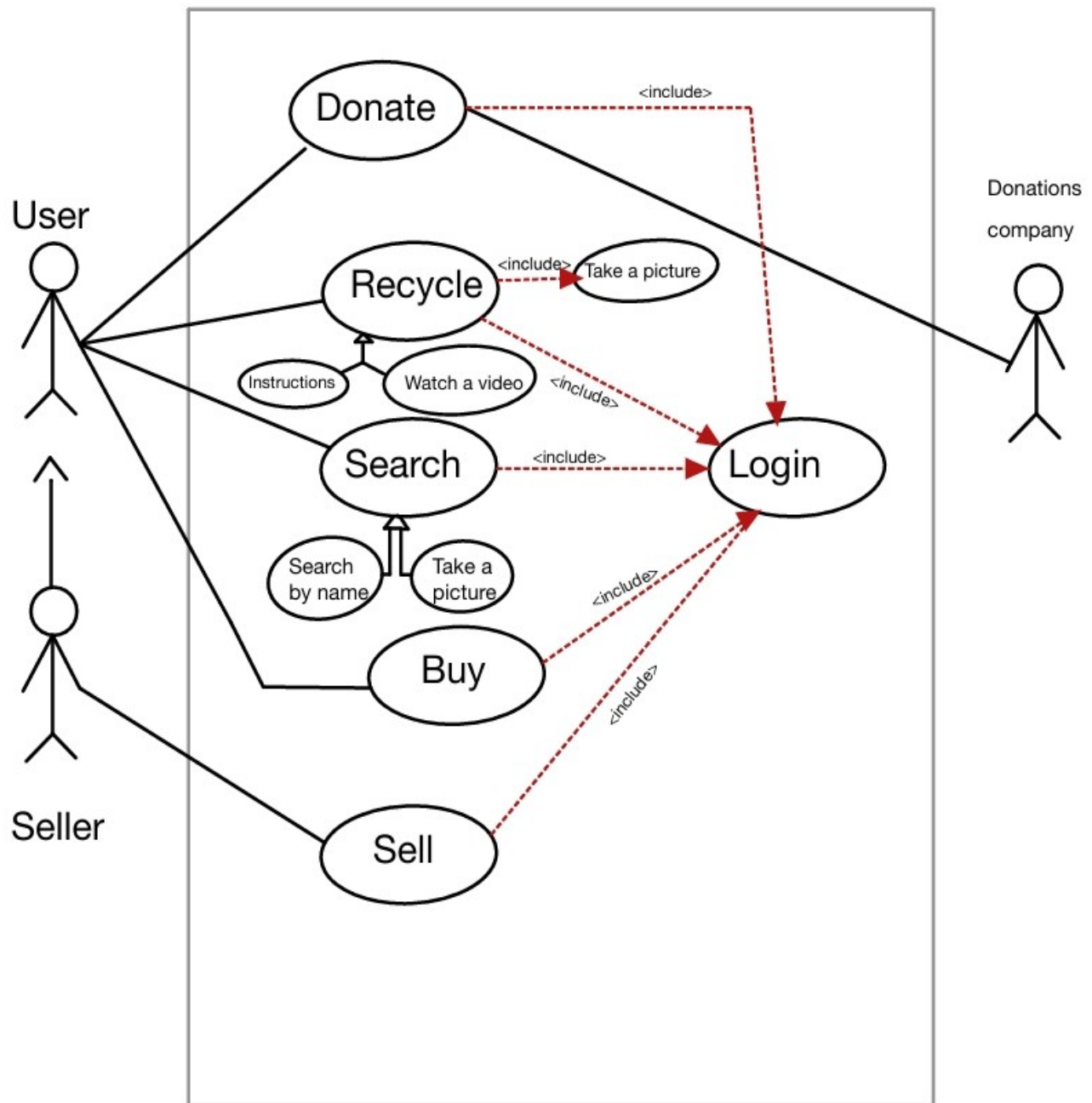


EcoPreservation: Maximizing Value, Minimizing Waste

This application is designed to encourage sustainable practices by helping users recycle, donate, or sell products they no longer need. Users simply photograph an item, and our system determines whether it should be donated, recycled, or sold. This way, we aim to protect the environment while making the most of unwanted products.



Use Case



Class Diagram

