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PLANTY

Homework for ICD0021

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Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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1 Introduction

Planty is an application where users can search indoor plants, manage plants by rooms and schedule watering. There are different houseplant planners for different devices, but I could not find anything for Estonians so I decided to do one in Estonia. In first phase it will be in English if I have enough time I will translate it to Estonian.

Most of the people have some plants at home and it is very easy to forget when to water the plants. People who have children and animals at home need to do research what plants are not poisonous for them. Planty provides one place where users can search any information they need about plants and suitability for their home.

I forget all the time when I watered my plants and when should I water them again. Most of the times I water again when plants show already signs of water deficiency. So I thought that this web application helps me to keep track of my plants health and help me remember when to water plants.

I will program the plant search, room page where you can see what plants each room has and where you can add plants to room, plant details page, schedule page where you can see you to-dos regarding of plants.

The data for the house plants will be fetched from House Plants RESTful API.
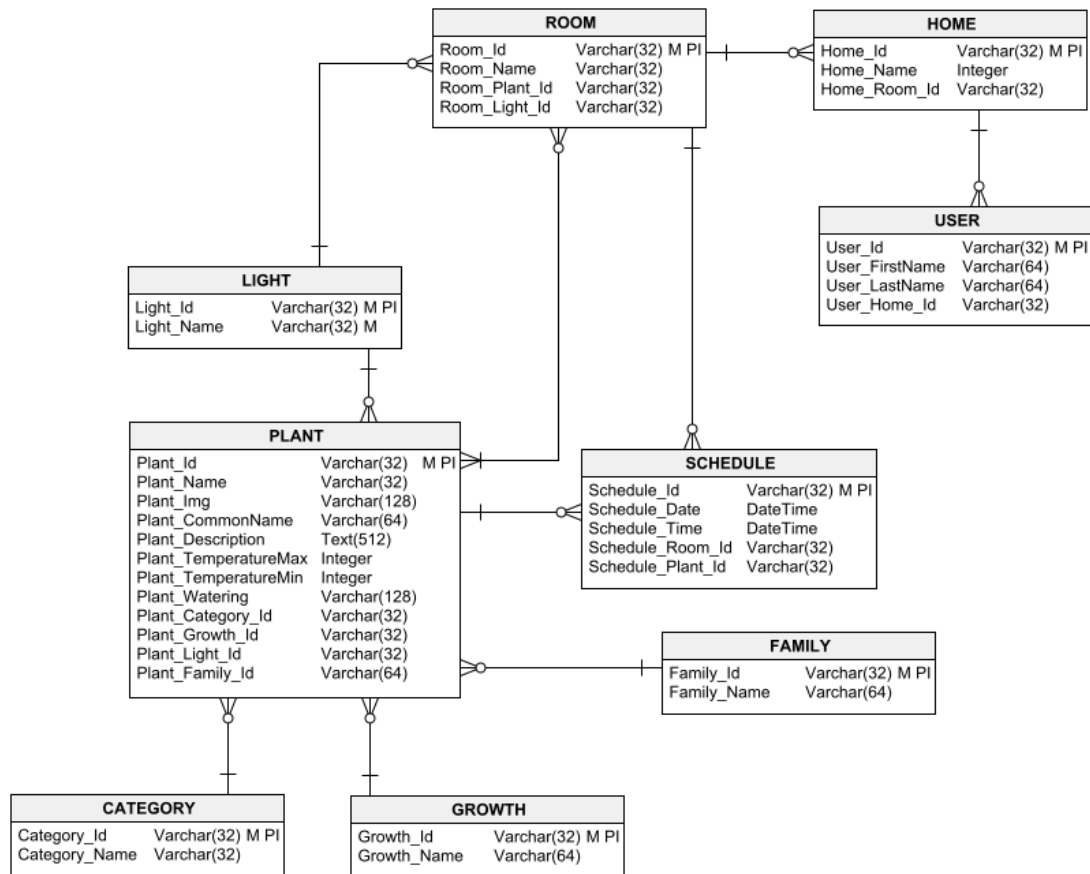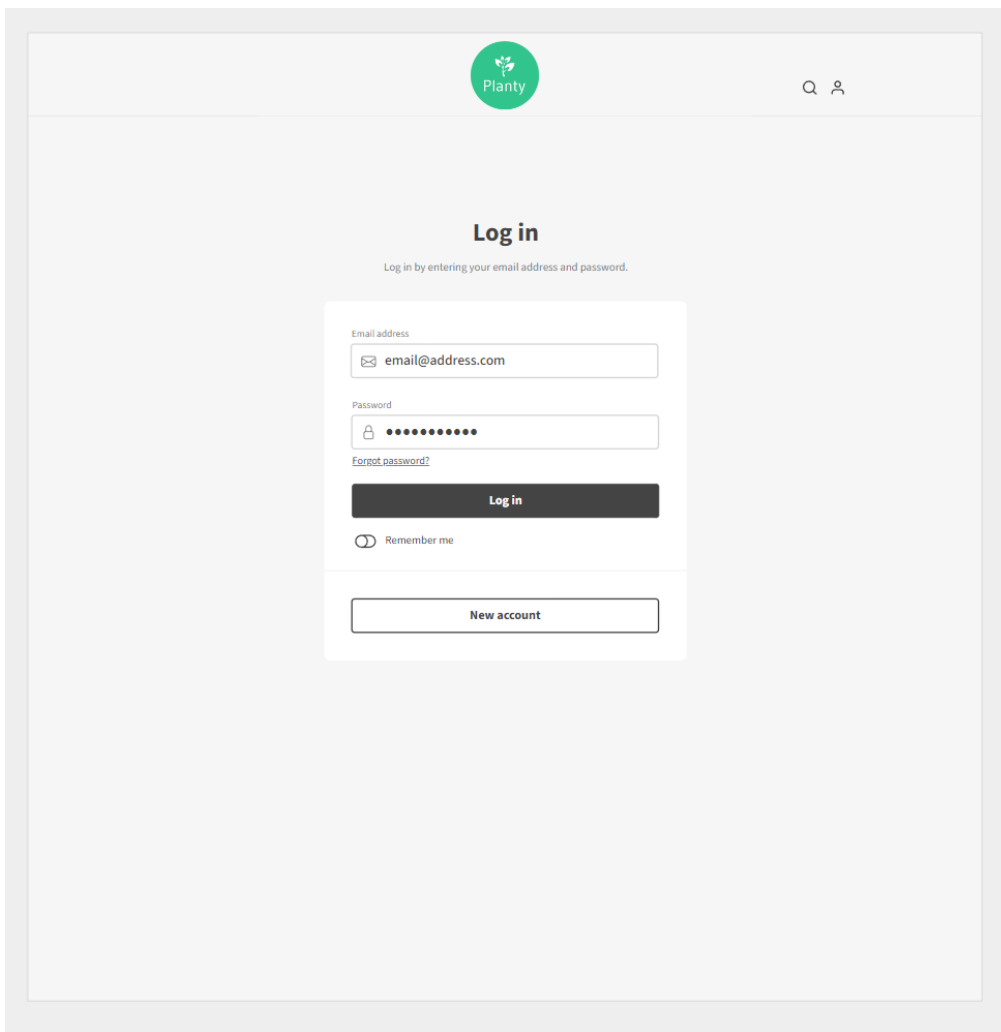
2 Diagrams

Figure 1. Entity relationship diagram.

3 Prototype

I created prototypes of login page and room view. There will be plant search. If you search a plant, then you can add it to the room. Plant watering scheduling will be updated when you update the time of last watering, then the new watering day will be calculated. In schedule view there will be a list of needed actions. For example, the first thing to do is first plant that need to be watered. There will be plants view which will be similar to room view where you can click on plant picture and then see plant details.
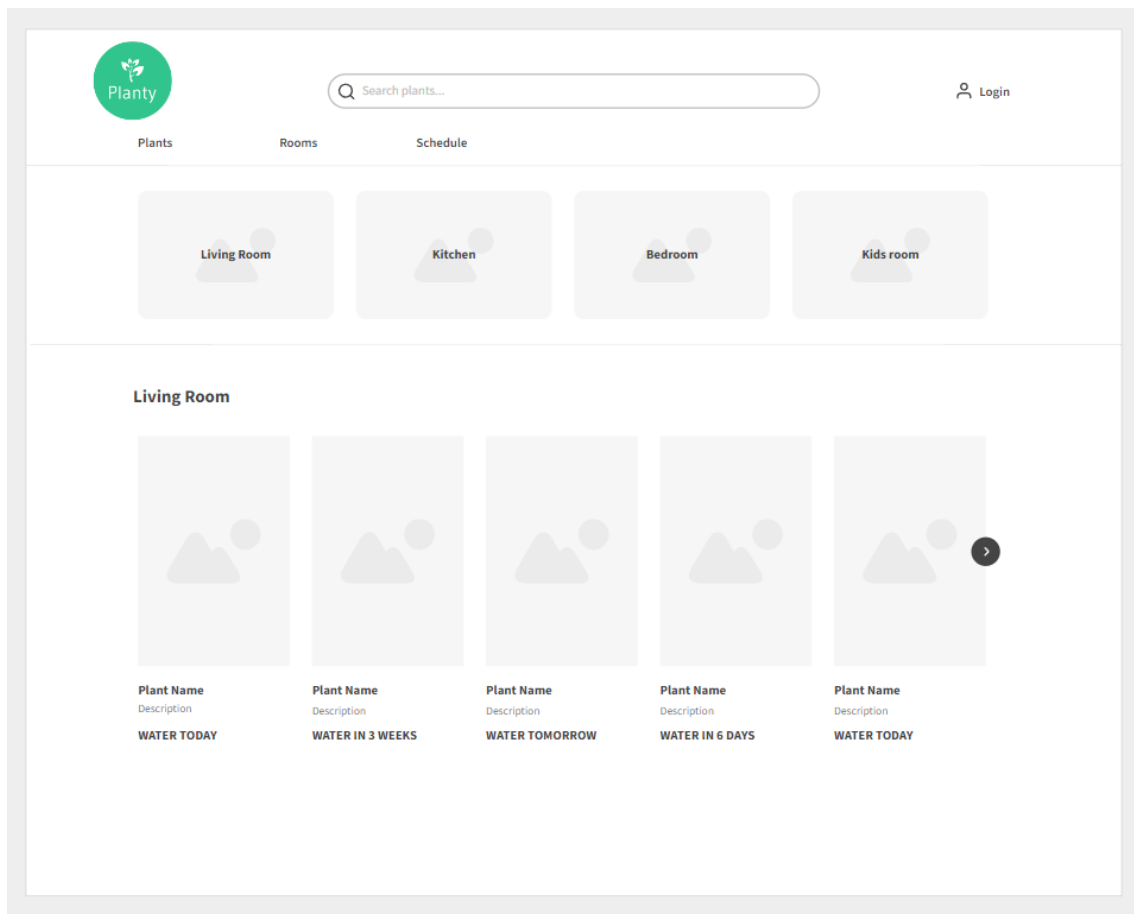

Figure 2. Login page prototype.

Figure 3. Room page prototype.