

ITM 462/562

Assignment 3: Plan your first web application. Answer the below questions covered in class on September 15. Submit to blackboard by September 27.

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1. Briefly describe your application

Plant Tracker: a plant database that users can log into and keep track of the plants they have planted in their yards. This application will keep track of when they bloom, plant height, plant type, and they can upload a picture.

2. What are the objects in your application?

users, plants

3. What is your database schema? Your tables and fieldnames / datatypes (no more than 2 tables, one if you can get away with it)

users: email, password, name

plants:

latin name: string

common name: string

type: string (tree, shrub, grass, perennial, annual)

height: string (ground cover, medium, tall)

bloom-start: string (just need month, not day and year)

bloom-end: string (just need month, not day and year)

image: blob

active: boolean (currently planted or alive in yard)

4. What are your application URLs?

/index

/user/register

/user/login

/user/edit

/user/logout

/plant/add

/plant/edit


/plant/delete

/plant/user/list-all

/plant/user/list-active

5. Generate a diagram of the interaction flow of your application / state diagram of your application

Home page





Welcome to Plants, Inc.


After logging in

<name>'s plants

Common Name Latin Name (etc)

 blah blah blah blah blah
edit

 blah blah blah blah blah
edit

 blah blah blah blah blah
edit

filter by:
☒ active
☒ in bloom now

Account registration

Create a New Account

Adding / editing

Add a Plant to Your Database