
Grocery List App

— By Peemin Chen and
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Presentation Video

https://github.com/peemin/csci5448/blob/master/GroceryListApp_Video.swf

What we did

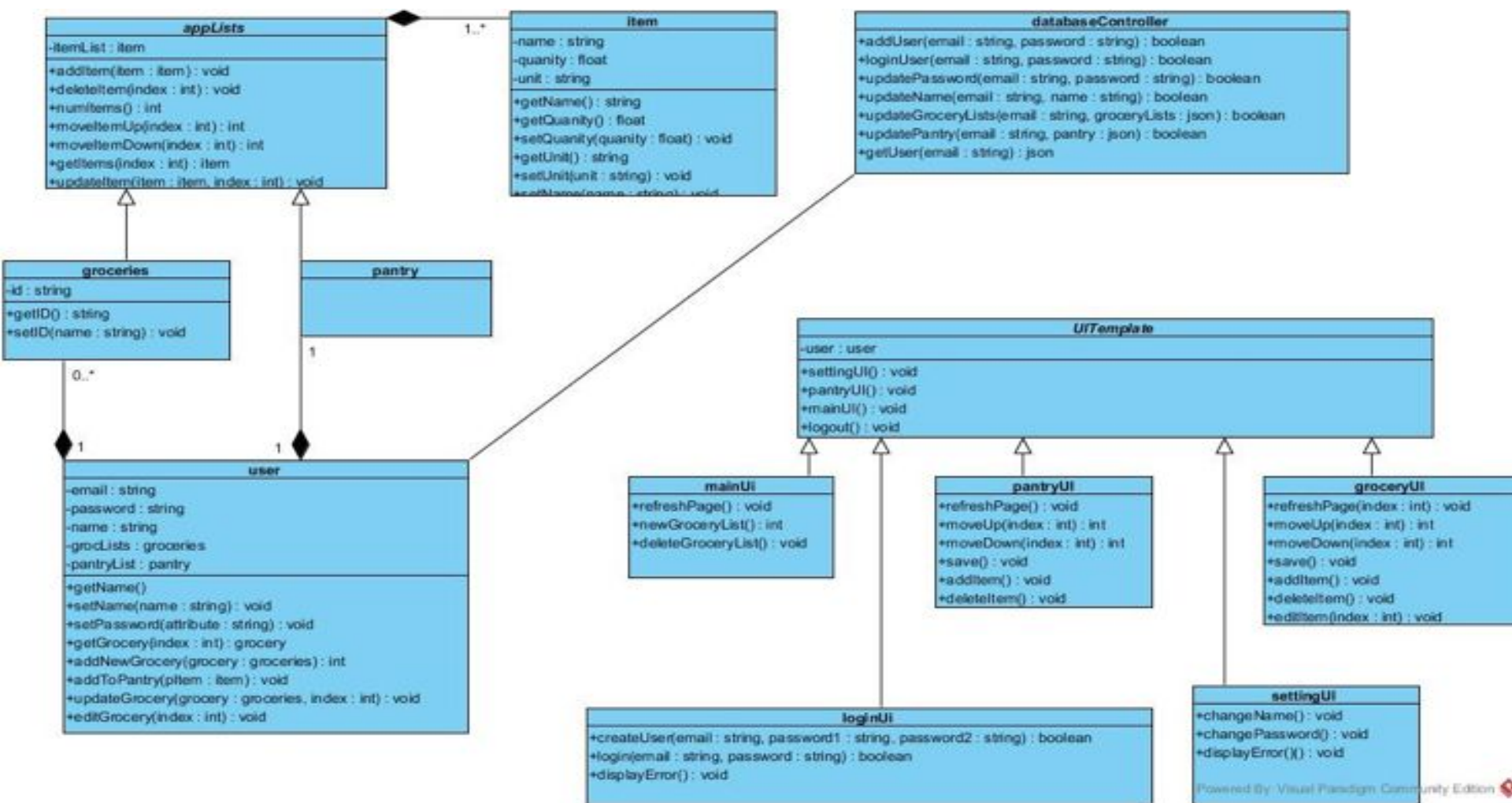
- Created a grocery list website app that lets users create digital shopping lists
 - Lists are attached to user by their sign in credentials
 - User can create multiple lists
 - Delete lists
 - Each list can contain 1 or many items

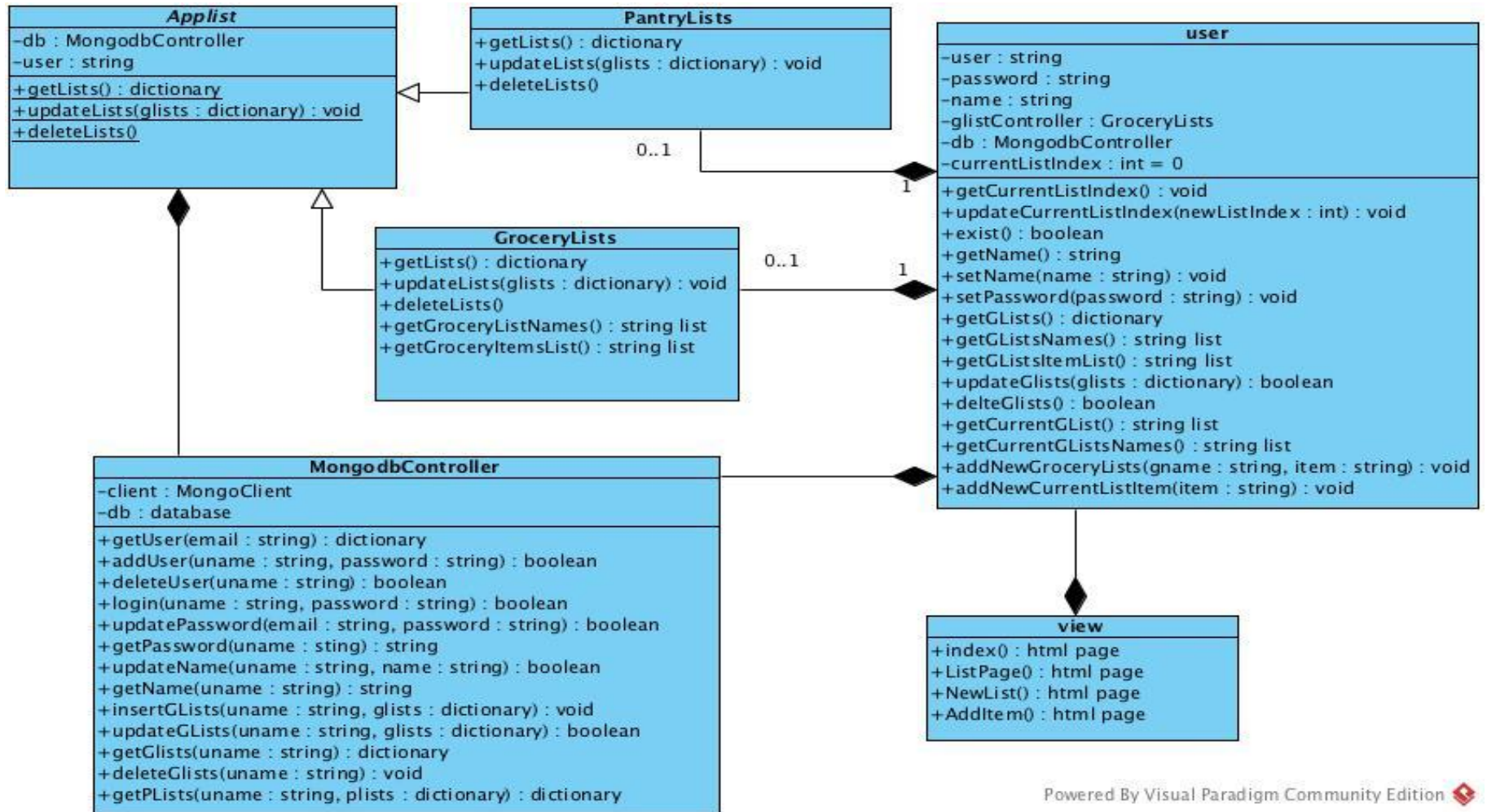
Demo

- Front End
 - Flask
 - Python microframework that handles html web pages
 - Jinja2
 - Provides Python-like expressions for html to dynamically render web pages
 - HTML/CSS/Javascript
 - Makes things look pretty!
- Back End
 - MongoDB
 - Object-oriented Python

Design Structure

- MVC - Model View Controller Architecture
 - Model
 - MongoClient Class
 - Controller
 - User Class - the main communication between the view and the database.
 - Future implementations would implement the observer model to allow multiple users to shopping lists
 - View
 - Flask
 - Future implementation could use the Composite pattern





Conclusion

- What we accomplished
 - MVC architecture using MongoDB
 - Can add many grocery lists
 - Delete lists
 - Add items to individual lists
- Future Iteration
 - Handling log in of multiple users
 - Delete one or many items from individual lists
 - Implement Settings page
 - Implement Pantry
 - Refine look and feel of site
 - Convert website to mobile app