



# Team B Phase 2

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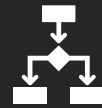
SWEN383.01

Professor Martinez

# Agenda



Design Overview



Subsystems



Sequence Diagram / Pattern Usage



Team's Collaboration



Demo



## Design Progress

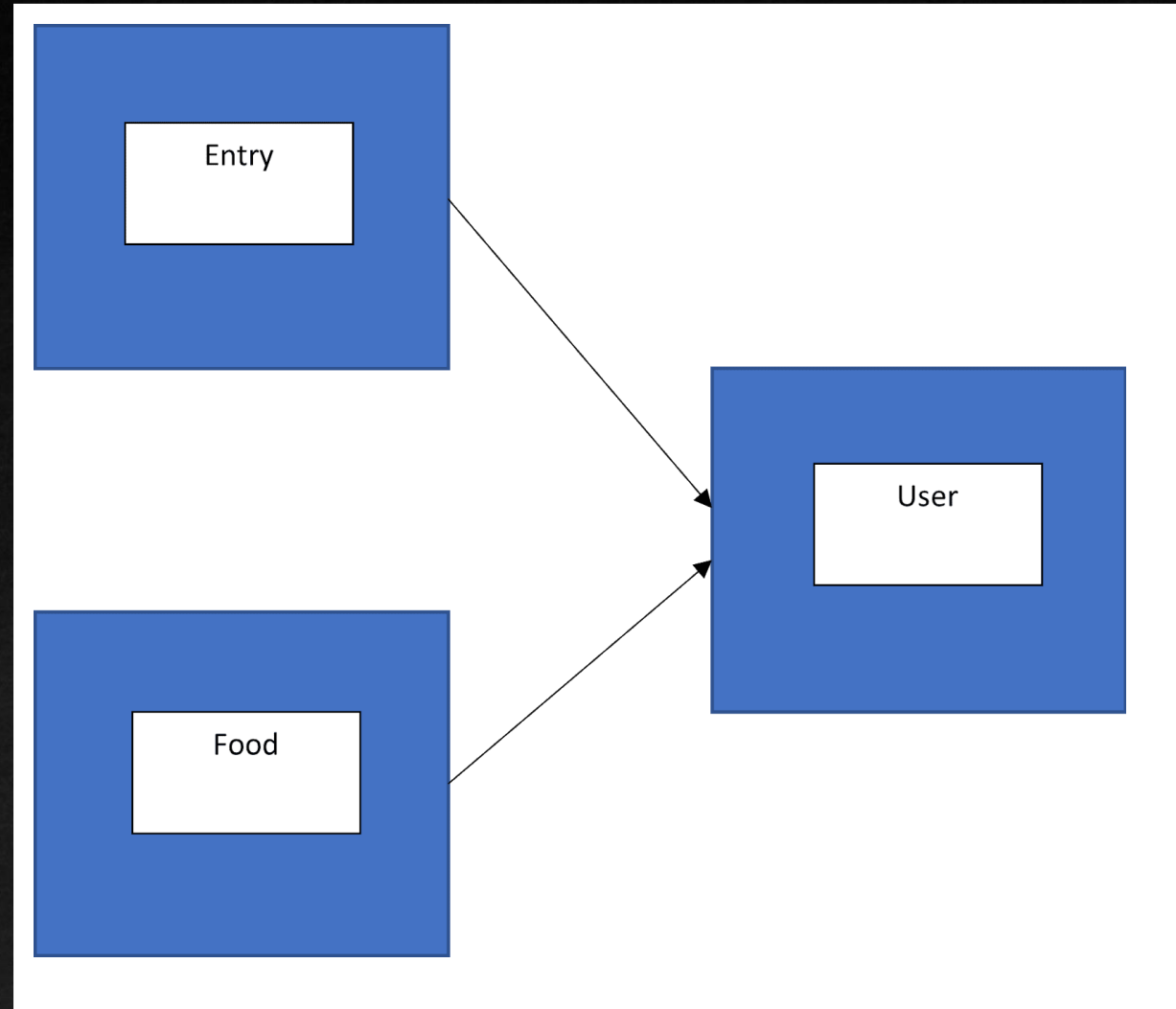
- ❖ Subsystem
- ❖ Sequence UI
- ❖ Pattern Usage

# Design Overview

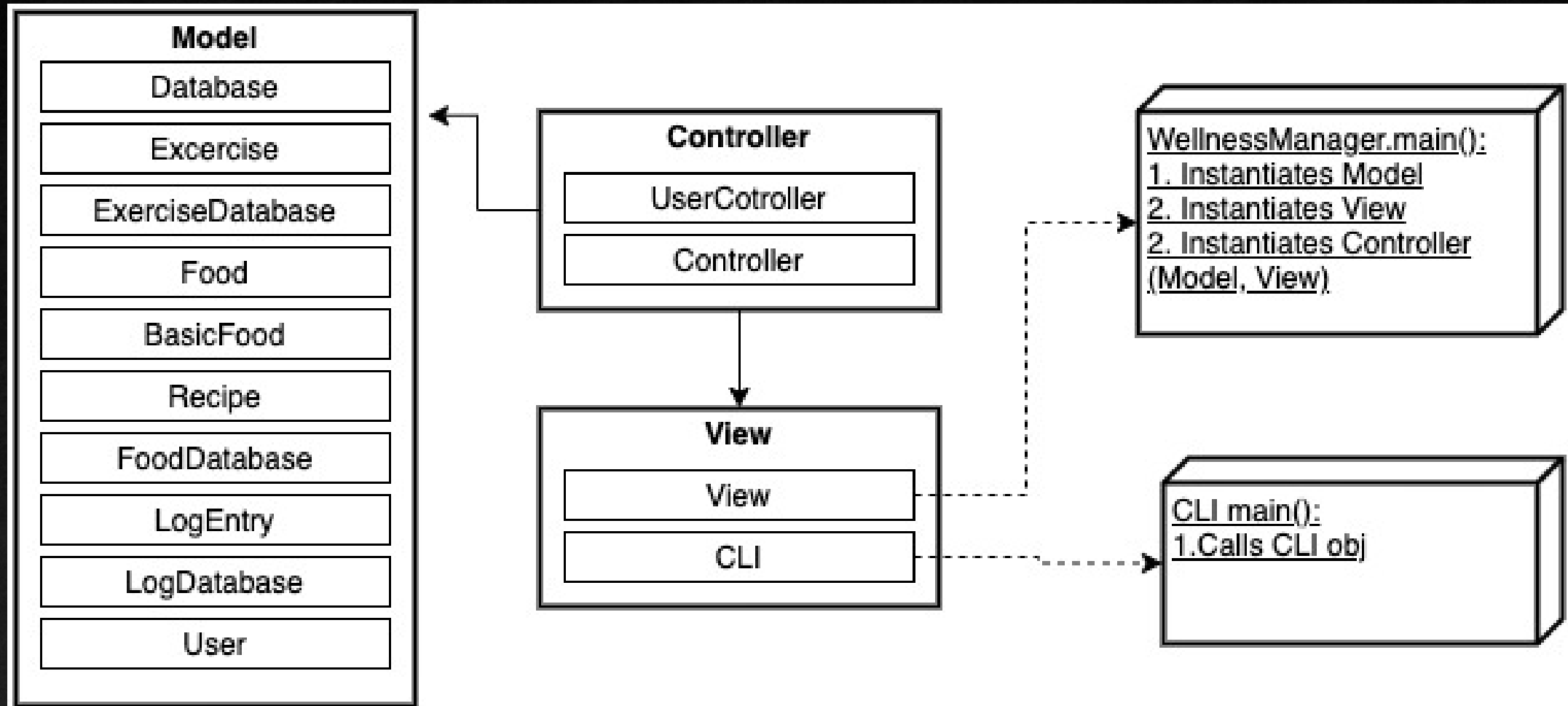
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We will be creating an application that allows a user to register their own recipes, daily consumption of food and track their progress of their current diet. The user will be able to add their own basic foods and recipes by giving the program the required information. In addition to this, the user will also be allowed to register his daily food consumption and the applications will automatically keep track of the amount of calories, carbohydrates, fat and proteins that the user has consumed throughout the day.

# Subsystem v1.0

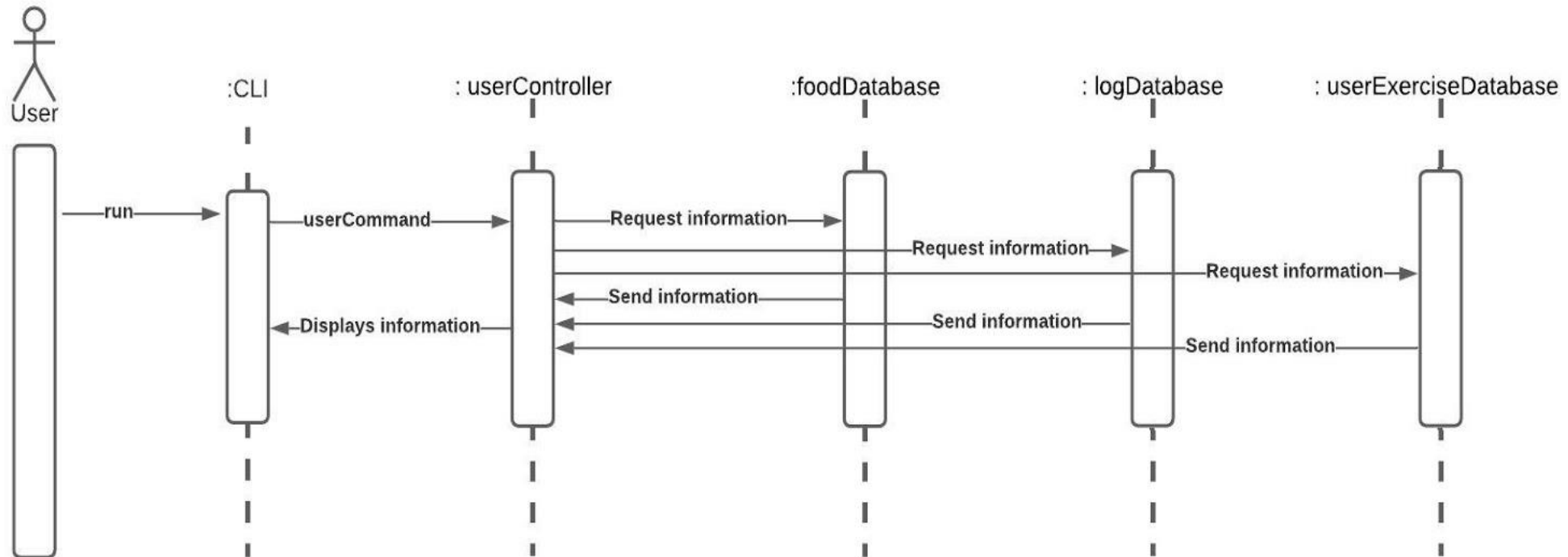


# Subsystem v2.0

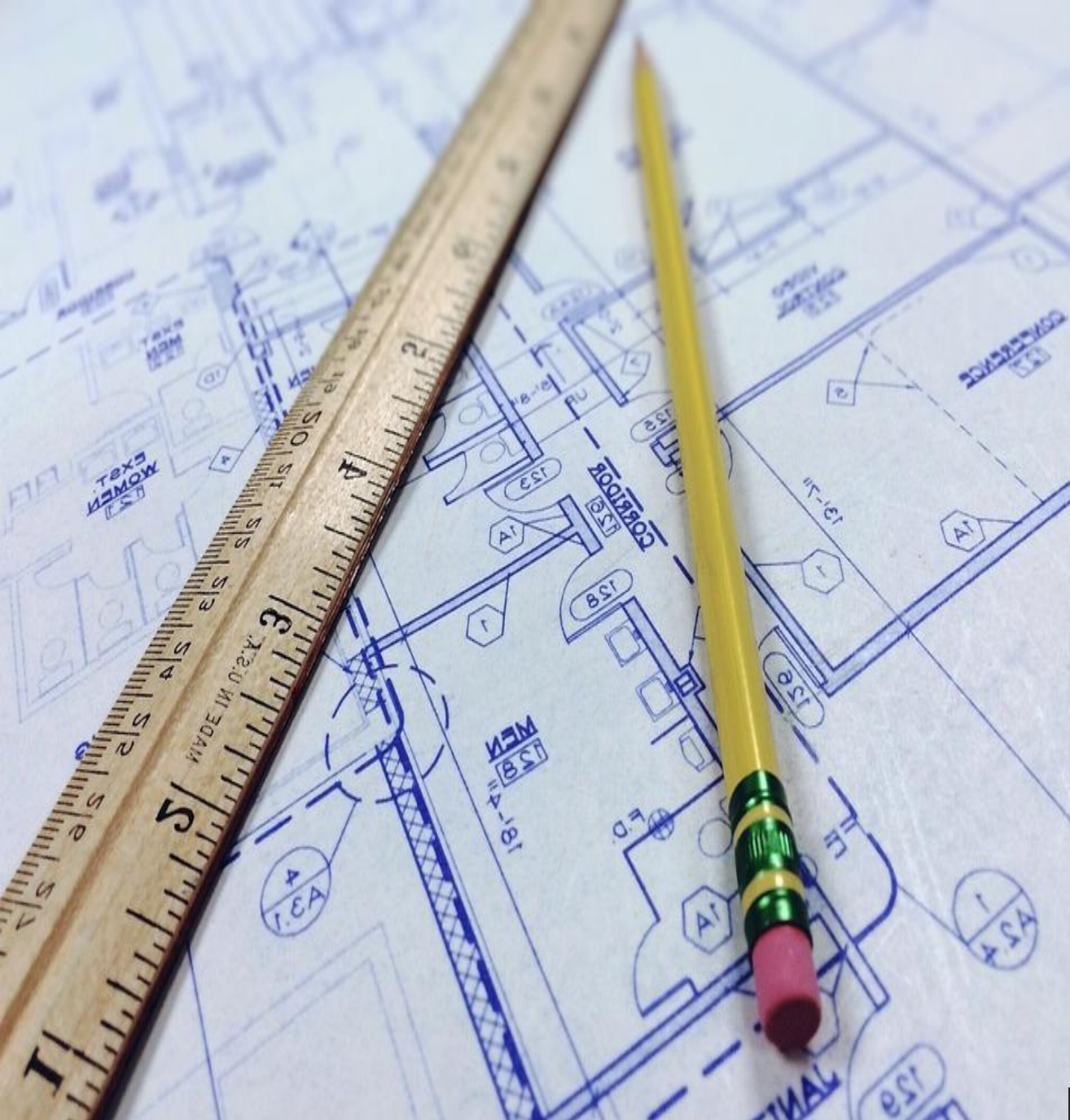


# Sequence UI

The user runs the command line interface, which uses the method to call the userCommand from the userController. The userController makes the request to several databases, foodDatabases, log Databases, and userExerciseDatabase, depending on the user's selection of where they want to go. Once the user sends the request, the selected database will then return or send the information to the userController. The User Controller will display the information requested in the GUI.







# Pattern Usage

- Model/View/Control
- Composite Pattern

| Pattern Usage                 |  |
|-------------------------------|--|
| Model View Controller (M-V-C) |  |
| Model                         | BasicFood<br>Database<br>Exercise<br>ExerciseDatabase<br>Food<br>FoodDatabase<br>LogDatabase<br>LogEntry<br>Recipe<br>User<br>UserDatabase |
| View                          | CLI<br>View<br>Wellness  |
| Controller                    | UserController<br>Controller   |
| Composite Pattern             |  |
| Composite                     | Recipe   |
| Leaf                          | BasicFood  |
| Component                     | Food   |

# Team B's Collaboration

Here is what we learned

- **Success:**

Phase Version 1, completed.

The team members can complete the assignment on time and provide support in other tasks. We were able to manage on the communication with interpreter services as well.

- **Challenges:**

Miscommunication regarding with tasks in the project

Balance with Time management

- **Improvements:**

Need more clear understanding on the assignment

Going beyond the expectations with phase 2.





# Demo

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Visual Studio