**CS673 Software Engineering**

**Team 5: MEAL It**

**Meeting Minutes**

**Meeting Oct 17th 2022**

**Date and Time:** Oct 17th 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David, Jintong

**Minutes taker: alaap**

**Timekeeper:**

**Purpose: Discuss Iteration 1 Documents and Presentation**

**Agenda:**

* Review expectations for Iteration 1
* Discuss everyone’s SDD sections
* Assign Presentation Slides
* Assign sections of SPPP to be reviewed and updated as necessary
* Plan Release/Deployment
* Reminder to update Progress Reports

**Discussions:**

* Expectations for iteration 1:
  + Draft SDD document
    - Finish your part of SDD for reviewing by tonight Oct 17th
  + Some testing has been started
* Previous Project references:
  + <https://github.com/BU-CS673-S18T2/whats-eat-app>
  + [**https://github.com/duncanmorrissey/wishlist**](https://github.com/duncanmorrissey/wishlist)
* Assign sections of SPPP to be reviewed and updated as necessary
* **Reminder to update progress report**
* Presentation
  + Look at previous presentations for reference

**Key Decisions:**

**Action Items:**

* **Update Progress Reports**
* **Finish Rough Drafts of SDD sections**
* **Review SPPP for any changes from Iteration 0**

**Meeting Oct 14th 2022**

**Date and Time:** Oct 14th 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David, Jintong

**Minutes taker:** David

**Timekeeper:**

**Purpose: Review current app state**

**Agenda:**

* Each team member share their design work so far

**Discussions:**

* Discussed database design considerations that Fahmida created and pushed into her branch
* Discussed Security and tokens with Wenxiao
  + Maybe use Redis to store tokens in a cache
    - Difficulties → no one knows Redis
  + Maybe use our database to store tokens
* Xiaohang brought up the idea of using VUE or Freemarker rather than Thymeleaf
  + VUE or Freemarker would be better for static webpage
  + Thymeleaf would be better for dynamic
  + <https://reflectoring.io/reusable-vue-components-in-thymeleaf/>

**Key Decisions:**

* Removing pantry entity
* Updating recipe display entity to be SavedRecipes
* For this iteration focus on using session IDs rather than ull tokens
* Sticking with Thymeleaf for now

**Action Items:**

* Everyone update their sections of SDD with rough draft

**Meeting Oct 7th 2022**

**Date and Time:** Oct 7th 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David, Jintong

**Minutes taker:** Xiaohang

**Timekeeper:**

**Purpose:** User Story and Database Evaluation

**Agenda:**

* Come up with all other features that need User Stories
* Finalize database design
* Reminder about Progress Reports

**Discussions:**

* We will use ER diagrams designed by David
* We have changed the RFilter relationship
* ClearDB:

<https://www.cleardb.com/database/details?id=1F666D5CC06F9E1279B472DE20F427E0>

host:mysql://bb0a8e2eb6f3e2:dee0b47a@[us-cdbr-east-06.cleardb.net/heroku\_d6bdcacd838ce05?reconnect=true](http://us-cdbr-east-06.cleardb.net/heroku_d6bdcacd838ce05?reconnect=true)

username:Bb0a8e2eb6f3e2

password:dee0b47a

Tutorial of Deploy MySQL database to heroku with clearDB MySQL

<https://www.youtube.com/watch?v=Zcg71lxW-Yo>

* Log in spring boot

<https://www.baeldung.com/spring-boot-logging>

Testing in spring boot

<https://www.baeldung.com/spring-boot-testing>

**Key Decisions:**

* 2hr Working Meeting on Monday from 3-5PM in library

**Action Items:**

* Iteration 1
* 2hr Working Meeting on Monday from 3-5PM in library
* Add category table ingredients-Fahmida
* Watch/Read Through following tutorials for Monday:
  + [**https://www.youtube.com/watch?v=XszpXoII9Sg**](https://www.youtube.com/watch?v=XszpXoII9Sg)
  + <https://www.youtube.com/watch?v=c3gKseNAs9w&ab_channel=DailyCodeBuffer>
  + [https://www.vinaysahni.co](https://www.vinaysahni.com/best-practices-for-a-pragmatic-restful-api)[Spring Data JPA Tutorial | Full In-depth Course](https://www.youtube.com/watch?v=XszpXoII9Sg)[m/best-practices-for-a-pragmatic-restful-api](https://www.vinaysahni.com/best-practices-for-a-pragmatic-restful-api)
  + <https://www.freecodecamp.org/news/rest-api-best-practices-rest-endpoint-design-examples/>
* Define possible endpoints for recipe display api

**Meeting Oct 3rd 2022**

**Date and Time:** Oct 3rd 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David, Jintong

**Minutes taker:** Fahmida Joyti

**Timekeeper:**

**Purpose:** Database Design

**Agenda:**

* Decide on Database table implementation design
* Decide between Spring Data JPA and MyBatis

**Discussions:**

* We all created ER diagrams and some member
* Get recipes fetched from API v/s having a small amount of data loaded to the database and use it for prototyping.
* Use third api for fetching recipes

**Key Decisions:**

* Combine all the ER diagrams created by members into one- David
* Integrating with spoonacular api for getting recipes.
* If the user doesn’t have preferences, pull random recipes. If they have preference then we fetch by it.
* Still need an ingredients entity.

**Action Items:**

* Finalize User Stories by Tuesday night

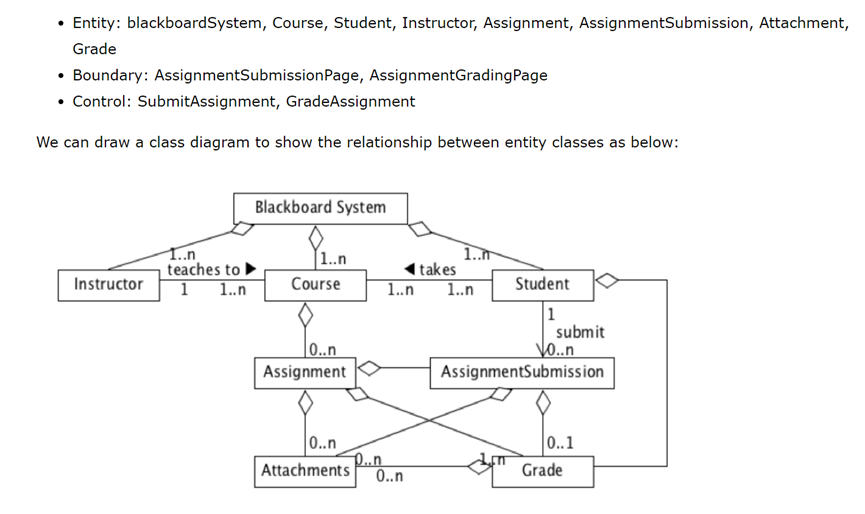
**Addition**: **EBC and class diagram**

We do not draw EBC diagrams. What we should draw in lab2 is a class diagram.

Firstly, list all the entities, boundaries and controls in your user story and acceptance tests.

Then, using your entities, boundaries and controls to draw a class diagram just like the example

Example:



**Meeting Sep 30th 2022**

**Date and Time:** Sep 30th 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David, Jintong

**Minutes taker:** Alaap

**Timekeeper:**

**Purpose:** User Stories and Software Design

**Agenda:**

* Review User Stories
* Add more User Stories as needed
* Discuss Software Design

**Discussions:**

* User stories
  + Acceptance Tests
    - In format given by professor
      * Given (setup/precondition)
      * When (input/actions)
      * Then (expected outputs)
  + Try to have two acceptance tests for each user story
  + Add tasks that would be required in terms of coding for your user stories

**Key Decisions:**

**Action Items:**

* Designing Database tables and relationships

**Meeting Sep 26th 2022**

**Date and Time:** Sep 26th 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David

**Minutes taker:** Wenxiao

**Timekeeper:**

**Purpose:** Review Figma and Discuss User Stories

**Agenda:**

* Review Figma Wireframes
* Discuss Figma tips and tricks
* Start developing User Stories

**Discussions:**

* Second color (UI:Green、F2EFEF)
* Follow one UI
* Make pages more connective
* How to use scrolling page
  + Check the clip content
  + Check the verify scrolling
* Click preference, the allergic page switch to the preference page

**Key Decisions:**

* Spring Data OR Hibernate

**Action Items:**

* **Assign people to design users’ story (Each person make at least two user stories(only feature),and one user story must have two matched acceptance tests.** 
  + **People with dietary restrictions and changing preferences - Xiaohang**
  + **People trying to use up ingredients in kitchen - David**
  + **People creating grocery list- Fahmida**
  + **Creating new account - Alaap**
  + **Logging into existing account - Wenxiao**
  + **Calorie Counting - Jintong**

**Videos:**

[**https://www.youtube.com/watch?v=XszpXoII9Sg**](https://www.youtube.com/watch?v=XszpXoII9Sg)

[**https://www.youtube.com/watch?v=vtPkZShrvXQ&t=3607s**](https://www.youtube.com/watch?v=vtPkZShrvXQ&t=3607s)

**Editorial about Mybatis:**

[**mybatis-spring-boot-autoconfigure – Introduction**](https://mybatis.org/spring-boot-starter/mybatis-spring-boot-autoconfigure/)

[**Spring Data JPA vs MyBatis**](https://medium.com/an-idea/spring-boot-spring-data-jpa-vs-mybatis-514d969648ee)

[**Spring-Data-JPA**](https://www.digitalocean.com/community/tutorials/spring-data-jpa)

**Meeting Sep 23rd 2022**

**Date and Time:** Sep 23rd 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David

**Minutes taker:** David

**Timekeeper:**

**Purpose:** Plan Research assignments for Monday

**Agenda:**

* Discuss software design plan
* Start developing User Stories
* Discuss research/skeleton task assignments

**Discussions:**

* Fahmida created Dev branch
* Looked at which version of Java to use for project
  + Spring Boot has 4 standards (8, 11, 17, and 19)
* Set up the Spring Boot Project in IntelliJ
* Discussed which type of Wireframe to use
  + Fahmida suggested Figma
* Discussed how to breakup up the wireframe and get used to Figma
  + Broke up different pages to design in Figma by Monday for practice
* Xiaohang shared a recipe API: https://developer.edamam.com/recipe-demo

**Key Decisions:**

* Decided to use Java 17
* Decided to use Figma for wireframe

**Action Items:**

* **Everyone make a page in Figma**
* **Initial pages : Signup/Login - Alaap, Home - Alaap, Ingredients - David, Recipes - Fahmida, Grocery List - Xiaohang, Preferences - Wenxiao**

**Meeting Sep 19th 2022**

**Date and Time:** Sep 19th 2022, 4:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David

**Minutes taker:** Xiaohang

**Timekeeper:**

**Purpose:** Discussing SPPP Document

**Agenda:**

* Review SPPP Document
* Review Risk Management Spreadsheet
* Review Progress Report Document
* Discuss questions that arose during SPPP Document work
* Brainstorm App name

**Discussions:**

* Decide on how many hours we schedule for each feature;
  + Allocate personal hours for each feature, including test time
  + There is a list of features for now. There are 4 types of Essential Features and 2 types of Desirable Features on the list.
* The risk for project and Priority of RiskManagement;
  + Ranked Objectives and Priorities
  + the risks and analyze them on [CS673\_SPPP\_RiskManagement\_Team5](https://docs.google.com/spreadsheets/d/1twigujAgIk4K7zWFkQnpr3FnwbDjCQ1509r3RfrdUEs/edit?usp=sharing)
* Timeline for Functional Requirements and Tasks.
  + Divide Functional Requirements into 3 iteration, each iteration is estimated and assigned real person hours
  + All Functional Requirements and Tasks are listed on the iteration

## The tools we will use are Git/ Github,Maven,Pivotal tracker and Google docs

* Please commit the code according to the guide and deploy the application according to the deployment plan

## Team members review each other’s code and record the results of the review on github

## Team members test each other’s unit. Under the supervision of the team, integration testing will be done by the QA leader.

## We use Github issues to accomplish Defect Management

**Key Decisions:**

* Allocated personal hours and timeline are listed in the file

## Team members review and test each other’s code, QA leader does the integration testing

* Review the SPPP Document and Brainstorm App name before Wednesday

**Action Items:**

* Think of App names
* Review the SPPP Document, Read and review for grammar issues, other ideas and inputs - **DUE TUESDAY NIGHT**

**Meeting Sep 16th 2022**

**Date and Time:** Sep 16th 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David

**Minutes taker:** Fahmida Joyti

**Timekeeper:**

**Purpose:** Determining Project Focus

**Agenda:**

* Review Project Ideas
* Decide on Project Focus
* Discuss Design Considerations
* Assign research tasks

**Discussions:**

* Decide on a project and then split the project proposal into parts for members to work on. Then review it during the Monday meeting.
* Recipe finder: , select from recipes, then create grocery list from it and then user can select/unselect then push it to a 3rd party service. Toggle between recipes/ingredients. Similar to <https://spoonacular.com/> Have regular and paid options .
* Forum : Recreate <https://github.com/codedrinker/community>
* My favorites web: Chrome extension to bookmark website. Can drop tabs in the extension to bookmark.
* Educational Resource Web App : shouldn’t be difficult to implement, good amount of dependence on ui
* Fitness tracker: Give a balanced tracker. User can indicate any injuries or exclusions to select their desired workout routine. Can select diet plan, nutrition plan. Stats tracking.
* College life: User can enter university. Searches the university and helps prepare a checklist . User can check them out. Most university websites are bad. Can enter any school to get help with tutoring, dorm information etc. Can use generic lists if checklist isn’t available. Look at the school's class scheduler to help student find classroom stuff . Weekly checklist student can add themselves. Help remind quiz, homeworks etc. Flexible enough to taylor to our needs.
* Online shopping mall : similar to amazon. Don’t have to recreate all features.
* We will do our own app.

**Key Decisions:**

* We will create a full stack app
* Decided Project:
  + Recipe Finder
    - Description: A web application that finds a recipe that uses specified ingredients (to use up what you have in the fridge). Would also include filters like (vegetarian, vegan, allergy exclusions, etc)
    - Examples:
      * <https://www.supercook.com/#/desktop>
      * <https://myfridgefood.com/>

**Action Items:**

* Everyone fill out their sections of the SPPP document by Monday meeting
* Contribute to other sections as applicable
* Research Framework and design considerations

**Meeting Sep 12th 2022**

**Date and Time:** Sep 12th 2022, 3:00 PM

**Place**: Zoom Remote Meeting (<https://bostonu.zoom.us/j/99904611507?pwd=cDExaVZKMENnZ2ZLcjNFS0xub3kvQT09>)

**Participants:** Wenxiao, Alaap, Fahmida, Xiaohang, David

**Minutes taker:** Alaap

**Timekeeper:**

**Purpose:** Introduction and Initial Planning

**Agenda:**

* Project Ideas
* Decide Team Steps for this week until next meeting

**Discussions:**

* Add project ideas into document that has been shared
  + Till thursday and then decide on project Friday
  + Split report responsibilities and split roles between team members
* Create pivotal table and add all members
* Recurring meeting time: Monday 3:00 PM, Friday 3:00 PM
* Assign roles next meeting
* Project Ideas thoughts
  + Forum
  + Chatroom
  + Education Web App
* Team Roles
  + Project Leader: David
    - lead and coordinate the whole team and help other lead roles. Make sure the team can successfully complete the project on time.
  + Requirements Leader: Alaap
    - manage and track the requirements using tools such as pivotal track
  + Configurations Leader: Fahmida
    - help setup Git, IDE and other related devops tools. Help other members use these tools
  + QA Leader: Xiaohang
    - help choose or create quality metrics, review process, testing plan, reporting methods, and monitor mechanisms
  + Security Leader: All
    - lead and coordinate security activities throughout the project, including initial training, security requirements, vulnerability identification, security related testing, static analysis tools
  + Design Implementation Leader: Wenxiao
    - lead the design and implementation process, including designing the software architecture, choosing or creating coding standard, retiring the risks in implementation tools, frameworks, libraries etc.

**Key Decisions**

* Brainstorm project ideas and put into document
* Using Springboot for the project
* Recurring Meeting Monday 3:00 PM, Friday 3:00 PM

**Action Items:**

* Go over springboot tutorial if needed
  + <https://spring.io/guides/gs/spring-boot/>
* Create Pivotal Tracker accounts (David creating project)
* Make sure everyone has access to all docs
* Add project ideas to document by Friday Meeting
  + <https://docs.google.com/document/d/1kaWe0kyR5DsydNSXix8pgbnX06cksjVHv2WOGfNz8Og/edit?usp=sharing>