

Project Milestone 1

Team Number	Your recitation section number plus a one-digit identifier. Assigned by your TA. This team number MUST appear on ALL milestones/deliverables/submissions posted by your team to your git repository and to Canvas.	13-05
Team Name	You will choose collectively a name for your team to represent a vision you have for the application you're creating. It can be used in addition to your Team Number for all deliverables and presentations	Fruit Leather
Team Members	List of team members, First & Last name	Ian Mckibben Daunte Mascotti Carson Syberg Rachel McMinn Md Mahmud Ferin Von Reich
Application Name	Pick a befitting name to convey the purpose of your application. To be used in all presentations.	ReChef

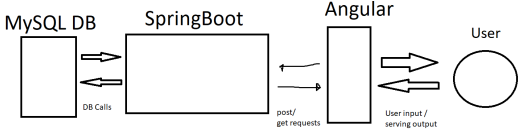
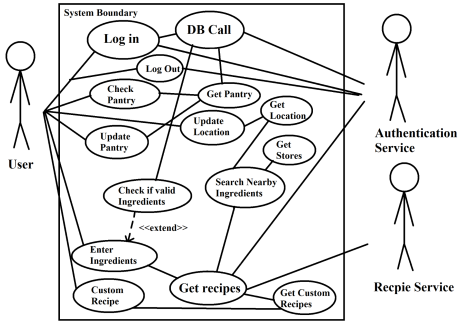
Application Description	<p>A short (2-3 paragraphs) overview description of the application. Provide enough information to explain what functionality and value your product will provide to users of your application.</p>	<p>Our web app will take user-inputted ingredients and return a list of recipes that you can cook with the given ingredients. We will web scrape recipes to find the necessary ingredients and will compare them against the given list.</p> <p>This will save time by giving the recipe directly to the user instead of them having to search the internet manually given their ingredients. Furthermore, it will allow them to have a wider variety of selection, as they will be recommended recipes that they have never made or heard of before.</p>
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<p>Vision Statement</p>	<p>A simple, one or two sentence statement describing the clear and inspirational desired state resulting from your team's efforts to create your application. A template you might want to use:</p> <p>For [user] Who [goal] The [product name] is a [product category] that [key benefit, compelling reason to buy]. Unlike [primary competitive alternative], our product [statement of primary differentiation]</p> <p>Show sample visions</p>	<p>For people who like to cook, but can't decide what to make, discover great recipes for the ingredients you already have through ReChef.</p>
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Version Control	<p>Share the link to the GitHub repository that was created for you. This repository should have the following folders:</p> <ul style="list-style-type: none"> • Team Meeting Logs - The minutes of the meeting with your TA every week will be recorded in a file here. You will be updating the same file every week with the latest updates. • Milestone Submissions - All milestone documents, including this one, will be stored in this folder. • All project code/components - The source code and all relevant documentation for the application will be stored in this folder. <p>You will also create a ReadMe.md file in your project GitHub repo at the root location. The ReadMe.md should include the project description and an overview of the application architecture.</p>	<p>https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-013-05</p>
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<p>Development Method</p>	<p>Describe the software development methodology will your team follow. Describe the methodology and the features/steps you will follow. Common methodologies include waterfall, agile/scrum, iterative. You may choose to follow your own hybrid version of these methodologies as best suits your team. We recommend that you use a hybrid of agile methodologies for your project.</p> <p>Share the link to the board you create for this project on a project management tool of your choosing. It could be on Jira, Trello, GitHub, Pivotal etc. The board should contain at least 4 columns depicting the stages of development. The backlog column should have a minimum of 5 user stories. You will already be creating user stories on JIRA for Lab 2. They will suffice for Project Milestone 1. However, if you are choosing another tool for project management, make sure to migrate your user stories to that tool. You will be adding user stories to the current backlog at the start of every iteration. Your board will be monitored by your TA and you are required to regularly update it as your project progresses.</p>	<p>We will be using Agile.</p> <p>https://csci-3308-fall21-13-5.atlassian.net/jira/software/projects/FL5/boards/1</p>
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<p>Communication Plan</p>	<p>Describe in a paragraph or two how your team plans to communicate with each other during the course of the project. You must identify a collaboration tool for team members to utilize for coordination of their work and communication among team members. Such tools are Slack, Discord, HipChat, Google Groups, etc.</p>	<p>We plan to communicate through discord. We will have voice channels where we will hold team meetings and will have stand-up with our TA in our discord as well.</p>
<p>Meeting Plan</p>	<p>Identify and describe your team's agreed-upon meeting schedule and mode. Identify the day(s) and time(s), mode, and location your team has agreed upon for regular meetings. "Mode" refers to how you are meeting (face-to-face), group video chat (like Zoom, Google Meet), etc.</p> <p>You will also mention the meeting day, time and zoom link for the weekly meeting with your TA here.</p>	<p>We will be meeting in Discord weekly on Mondays from 4:30 to 6:30. Our meeting time with our TA will be Friday from 12:00 to 12:15pm</p> <p>https://discord.gg/QMVrGDYq</p>

<p>Proposed Architecture Plan</p>	<p>Propose an architecture for your app. What technologies will you be using on the backend? What technologies on the front end? How will they communicate with each other? Which technologies will be responsible for which functionalities?</p> <p>Sketch a preliminary architecture diagram.</p>	<p>Backend: Springboot Database: MySQL Front End: Angular How do they communicate?: Post / get requests</p>  <pre> graph LR MySQL[MySQL DB] <--> DB Calls SpringBoot[SpringBoot] SpringBoot <--> post/get requests Angular[Angular] Angular <--> User input / serving output User((User)) </pre>
<p>Use Case Diagram</p>	<p>Identify a minimum of 3 actors and 15 use cases for your project. Create and attach a use case diagram to depict them. You may change these at a later point in time as suited.</p>	<p>The actors are:</p> <ul style="list-style-type: none"> - User - Authentication Service - Recipe Service <p>The use cases are:</p> <ul style="list-style-type: none"> - Log in - Log out - Check Pantry - Update Pantry - Get Pantry - Update Location - Get Location - Get Recipes - DB Call - Enter ingredients - Check if ingredients are valid - Search nearby ingredients - Get Stores - Custom Recipe - Get custom recipes  <pre> graph LR subgraph SystemBoundary [System Boundary] direction TB UC1((Log in)) UC2((Log Out)) UC3((Check Pantry)) UC4((Update Pantry)) UC5((Get Pantry)) UC6((Update Location)) UC7((Get Location)) UC8((Get Recipes)) UC9((DB Call)) UC10((Enter ingredients)) UC11((Check if valid Ingredients)) UC12((Search Nearby Ingredients)) UC13((Get Stores)) UC14((Custom Recipe)) UC15((Get Custom Recipes)) UC10 -.-> I <<extend>> UC11 end User((User)) --- UC1 User --- UC2 User --- UC3 User --- UC4 User --- UC5 User --- UC6 User --- UC7 User --- UC8 User --- UC9 User --- UC10 User --- UC11 User --- UC12 User --- UC14 User --- UC15 AuthServ((Authentication Service)) --- UC1 AuthServ --- UC2 AuthServ --- UC9 RecipeServ((Recipe Service)) --- UC5 RecipeServ --- UC6 RecipeServ --- UC7 RecipeServ --- UC8 RecipeServ --- UC13 RecipeServ --- UC15 </pre>