

# Project pitch

Team 49

# Team

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# Overview

Description of your version of the system you are going to design and implement in this course. Clearly specify which are the key aspects of your system, such as:

- overall idea about how it works:  
Team 49 is going to implement an application that lets the user save food recipes with the ingredients needed and detailed with step-by-step instructions. The user will be able to add other relevant information to recipe as well such as the nutritional information and etc. Each recipe will have a list of needed ingredients in order for the user to know what to buy beforehand. When the user will want to cook the recipe he/she can have a slideshow of each of the steps of the recipe. The basic interface will work with a command line interface.
- main type of user(s) - aka your stakeholders:  
The users of this application are restaurants and other types of shops, but also people that want to start learning to cook which can be of any age. People who want to start cooking are usually young adults that started living on their own. This is really aimed at anyone who is anxious about learning to cook and really doesn't know where to start.
- customizations/extensions w.r.t. the project track,
- The app will have a simple interface where there will be a list of already recipes with a search bar on top to help find recipes that usually will take a long time to scroll in order to access. Next to the search bar there will be a button with a plus that lets the user add a new recipe. If the user wants to remove a recipe, they will have to hold their finger on that recipe until a pop up appears with 2 options one to modify the existing recipe and one to delete it. Additionally the user will be able to upload a photo of each of the recipes as well. The user will be able to share their recipe with other users of the app.

# Mandatory Functional Features

ID	Short name	Description	Champion
F1	Creation of Recipe	Users shall be able to create new recipes by entering the ingredients, instructions and other relevant information such as cooking time, serving size and difficulty level and nutritional information	Taher
F2	Configuration of recipe	Users shall be able to modify their current recipes and even delete them if they don't need them anymore.	Adrian
F3	Recipe execution	The application shall allow a user to access the recipe and provide step by step instructions.	Shantanu, Adrian
F4	Storage	Users shall be able to store their recipes in the app. This can be done by manually entering recipes or importing them from another source.	Moegiez
F5	Organization	The app shall allow users to make notes and annotations on each recipe. Optional: The user should be able to organize their recipes into collections, such as "favorites" or "weeknight dinners."	Moegiez and Taher

# User Interface Functional Features

ID	Short name	Description	Champion
F6	Commands(Mandatory)	<p>The system shall allow the user to create, update and search for recipes by typing command-line instructions following this syntax: command + [target]</p> <p>Available commands are:</p> <ul style="list-style-type: none"><li>- create + [recipe name]</li><li>- edit + [recipe name]</li><li>- delete + [recipe name]</li><li>- annotate + [step number]</li><li>- search + [recipe name]</li><li>- filter + [filter condition]</li></ul>	Shantanu
F7	Graphical user interface (Extra)	The system should have a graphical user interface that would allow the user to interact with the system in a visual manner.	All Team members

# Optional Functional Features

ID	Short name	Description	Champion
F8	Search	Users should be able to search for recipes based on various criteria such as ingredient, cuisine, meal type, dietary restrictions or using the recipe's name.	Adrian, Shantanu
F9	Scaling	Users should be able to adjust the serving size of a recipe, and the app should automatically scale the ingredients and cooking instructions to match the new serving size.	Shantanu
F10	Sharing	Users should be able to share their recipes with others, either by sending a link or by exporting the recipe to another platform.	Taher, Moegiez
F11	User Profiles	Users should be able to create and manage their own profile, which should include their recipe collections and favorite recipes.	Moegiez and Taher
F12	Photos	For each recipe the user can choose a photo from their gallery in order to identify recipes more easily.	Adrian

# Quality Requirements

ID		Quality attribute	Description
QR1	Commands    sanity checks	Reliability	When the player issues a command, the syntax of the command shall always get validated against the format specified in F2.
QR2	Compatibility cross platform	Compatibility	The app should be compatible with a range of devices and operating systems, including desktop computers, smartphones, and tablets.
QR3	Search results	Performance	The result of a search shall be available to the user in less than 1.5s.
QR4	Customize to suit preference	Customization	Users should be able to customize the app to suit their preferences, including setting their preferred units of measurement and selecting a preferred language.
QR5	Accurate information	Data Accuracy	Recipe information, including ingredients, instructions, and nutritional information, should be accurate and up-to-date.
QR6	Intuitive interface	Usability	The App should be easy to use, with a clear and intuitive interface that allows users to quickly find what they are looking for
QR7	Trusted user changes	Security	The system shall require the user to enter a 4-digit number before committing to an update or removal of a recipe.

# Potential Java libraries to use

- fastjson -> storage
- Lanterna -> create
- PDFBox -> r/w pdf docs
- Time4J -> getting current date
- JFoenix -> UI
- Jackson -> json
- Log4j2 -> logging/debugging



# Time log

	A	B	C	D	E	F	G
1	Team number	49					
2							
3	Member	Activity		Week number	Hours	Progress	
4	Taher	Project outline and ideas		1	1	Done	
5	Moegiez	Project outline and ideas		1	1	Done	
6	Adrian	Project outline and ideas		1	1	Done	
7	Shantanu	Project outline and ideas		1	1	Done	
8	Taher	Define functional features		1	1	Done	
9	Moegiez	Define functional features		1	1	Done	
10	Adrian	Define functional features		1	1	Done	
11	Taher	Define Quality requirement		1	1	Done	
12	Moegiez	Define Quality requirement		1	1	Done	
13	Adrian	Define Quality requirement		1	1	Done	
14	Shantanu	Overview		1	1	Done	
15	Taher	Team contract + finishing off slides		2	1	Done	
16	Moegiez	Team contract + finishing off slides		2	1	Done	
17	Adrian	Team contract + finishing off slides		2	1	Done	
18	Shantanu	Team contract + finishing off slides		2	1	Done	
19							
20							
21							
22							
23				TOTAL	15		
24							
25							

# Signed contract

[https://drive.google.com/file/d/1M9sWJbp-7w0rHJ7LV7TB4oqWw\\_o3wROz/view?usp=share\\_link](https://drive.google.com/file/d/1M9sWJbp-7w0rHJ7LV7TB4oqWw_o3wROz/view?usp=share_link)