COOKPIT PRESENTATION

Tinf22B6 Semester 3

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**TABLE OF
CONTENTS**

01

OUR COMPANY

Cockpit is a Web-Application for Cooking recipes. On our website you can upload recipes and share them with the community.
We want to use ChatGPT for recipe recommendation and a map API for the nearest supermarkets

CookPit

User stories

In order to design new functions and ideas for CookPit, we create user stories to better judge what is important for the users

Documentation

To record our progress and ideas, we document our work in GitHub.

Planning

We plan and prioritise our tasks in our weekly meeting. We also try to estimate the time requirements.

Implementation

The tasks we have planned are either worked on individually or in groups.

OUR WORKFLOW

We have set up a Discord server for communication within our team. We have divided it into different channels so that feedback updates, guides and questions are not mixed up.

This semester we have focused on planning, collecting ideas and documenting our project.

Sum of Effort (hours)

Category	
Design	~20.5
Deployment	~8
Documentation	~5
Requirement Analysis	~21
Implementation	~22
Quality Assurance	~5
Environment Setup	~12
Project Management	~0.5

Legend: Project Management, Deployment, Quality Assurance, Environment Setup, Documentation, Design, Implementation, Requirement Analysis

EFFORT

Chart one is displaying our planed time effort. Overall we planed with an effort of 238h. The actual time effort we put in was 263h, because the effort of building diagrams and planing the project took a lot time.

Chart two shows the planed time effort per category.

User

- ID: int
- Name: String
- Lastname: String
- Email Address
- Role: Role
- Passwort: String

- + User(ID, Name, Lastname, Email, Passwort)
- + deleteUser(): boolean
- + setUserName(Name): boolean
- + setUserLastname(Lastname): boolean
- + setUserEmail(Email): boolean
- + setUserPasswort(Passwort): boolean
- + getUserID(): int
- + getUserName(): String
- + getUserLastname(): String
- + getUserEmail(): String
- + getUserPasswort(): String

Role

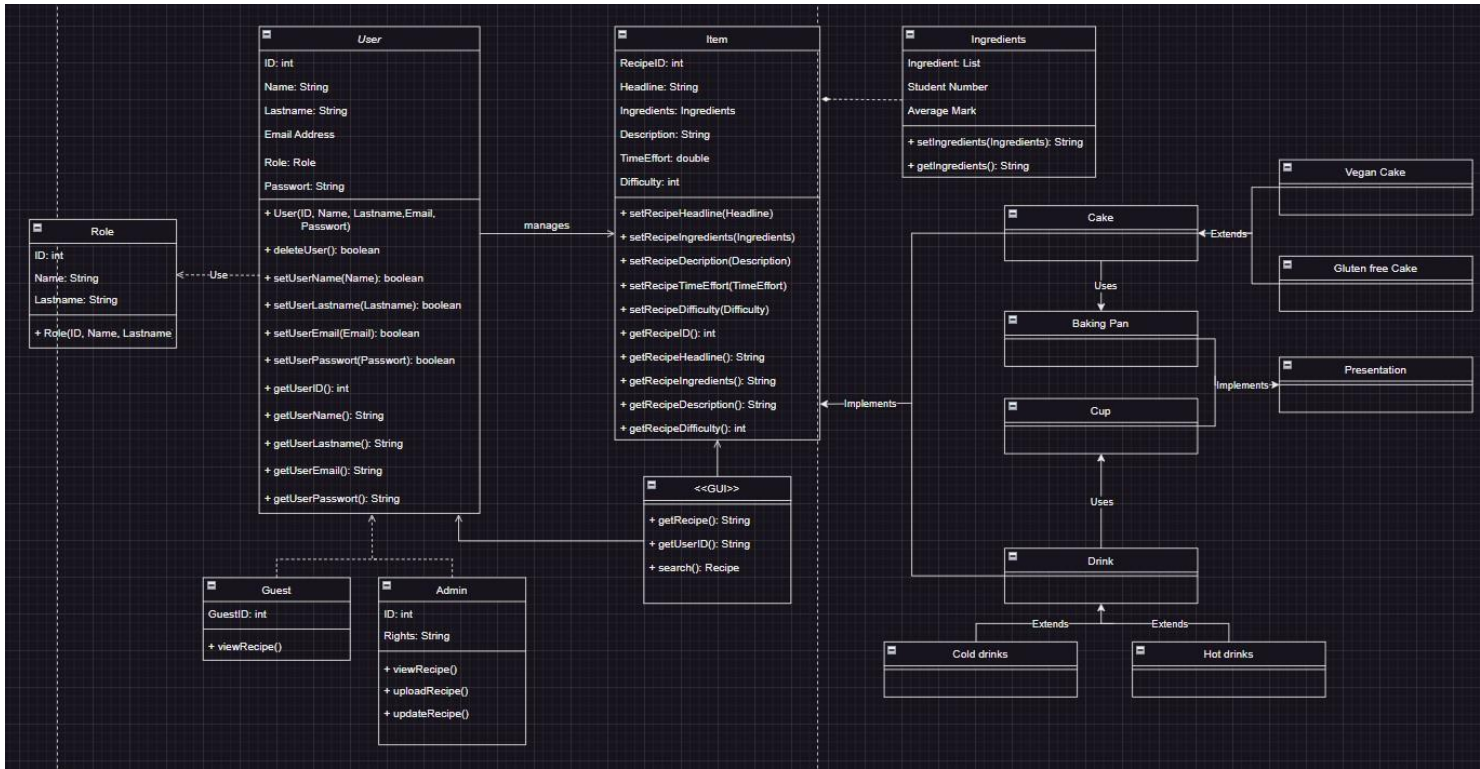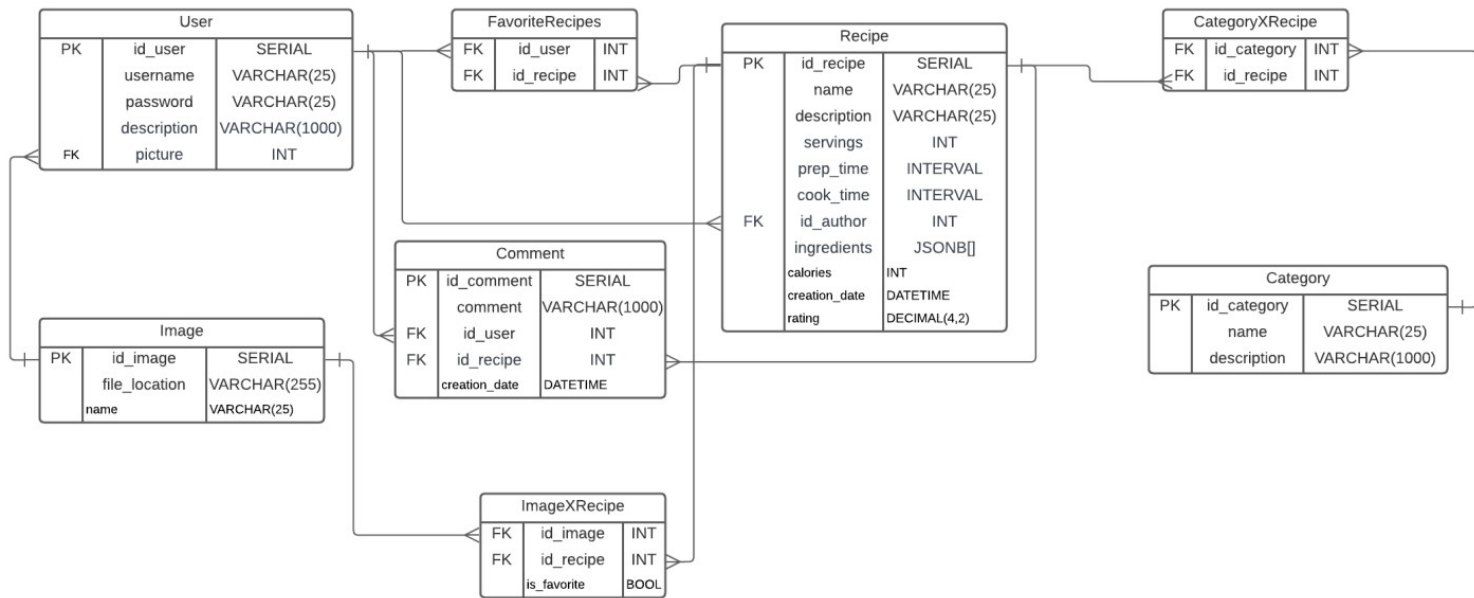- ID: int
- Name: String
- Lastname: String

- + Role(ID, Name, Lastname

Item

- RecipeID: int
- Headline: String
- Ingredients: Ingredients
- Description: String
- TimeEffort: double
- Difficulty: int

- + setRecipeHeadline(Headline)
- + setRecipeIngredients(Ingredients)
- + setRecipeDecription(Description)
- + setRecipeTimeEffort(TimeEffort)
- + setRecipeDifficulty(Difficulty)
- + getRecipeID(): int
- + getRecipeHeadline(): String
- + getRecipeIngredients(): String
- + getRecipeDescription(): String
- + getRecipeDifficulty(): int

Ingredients

- Ingredient: List
- Student Number
- Average Mark

- + setIngredients(Ingredients): String
- + getIngredients(): String

Guest

- GuestID: int

- + viewRecipe()

Admin

- ID: int
- Rights: String

- + viewRecipe()
- + uploadRecipe()
- + updateRecipe()

<<GUI>>

- + getRecipe(): String
- + getUserID(): String
- + search(): Recipe

Vegan Cake

Cake

Gluten free Cake

Baking Pan

Presentation

Cup

Drink

Cold drinks

Hot drinks

manages — Use — Extends — Uses — Implements

Main Design Pattern:

-Builder Pattern

User

PK	id_user	SERIAL
	username	VARCHAR(25)
	password	VARCHAR(25)
	description	VARCHAR(1000)
FK	picture	INT

FavoriteRecipes

FK	id_user	INT
FK	id_recipe	INT

Recipe

PK	id_recipe	SERIAL
	name	VARCHAR(25)
	description	VARCHAR(25)
	servings	INT
	prep_time	INTERVAL
	cook_time	INTERVAL
FK	id_author	INT
	ingredients	JSONB[]
	calories	INT
	creation_date	DATETIME
	rating	DECIMAL(4,2)

CategoryXRecipe

FK	id_category	INT
FK	id_recipe	INT

Comment

PK	id_comment	SERIAL
	comment	VARCHAR(1000)
FK	id_user	INT
FK	id_recipe	INT
	creation_date	DATETIME

Category

PK	id_category	SERIAL
	name	VARCHAR(25)
	description	VARCHAR(1000)

Image

PK	id_image	SERIAL
	file_location	VARCHAR(255)
	name	VARCHAR(25)

ImageXRecipe

FK	id_image	INT
FK	id_recipe	INT
	is_favorite	BOOL

Framework

In our project we use React as our main framework in the frontend.

Languages

Our project is mainly designed with HTML and CSS. Nether less we are also using JavaScript, Java, PHP and TypeScript.

Github

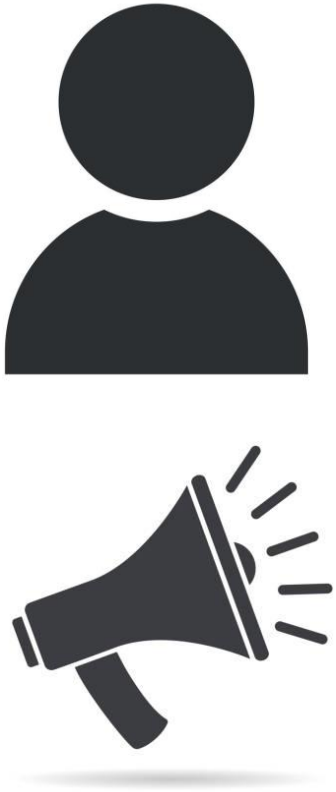In Github we have created three branches for our project. these are frontend, backend and main

USER STORIES

02

GOAL 1

User stories help to formulate requirements from the user's perspective. By focussing on the needs and requirements of the users, it allows us to take a different angle on CookPit

GOAL 2

User stories help us to maintain a clear and concise way of communicating within the team, as we can orientate ourselves on user stories when implementing functions.

OUR USER STORIES

ONE

CookPit should be an interactive website where users upload recipes. One of our features should be that users can also rate other recipes so that there is a best list in our system.

TWO

We want to implement OpenAI in CookPit. With OpenAI, the user can communicate with the AI and tell it what ingredients they have at home, and the AI generates a recipe.

THREE

In the future, we would like to offer users the opportunity to share their recipe directly on their other social networks.
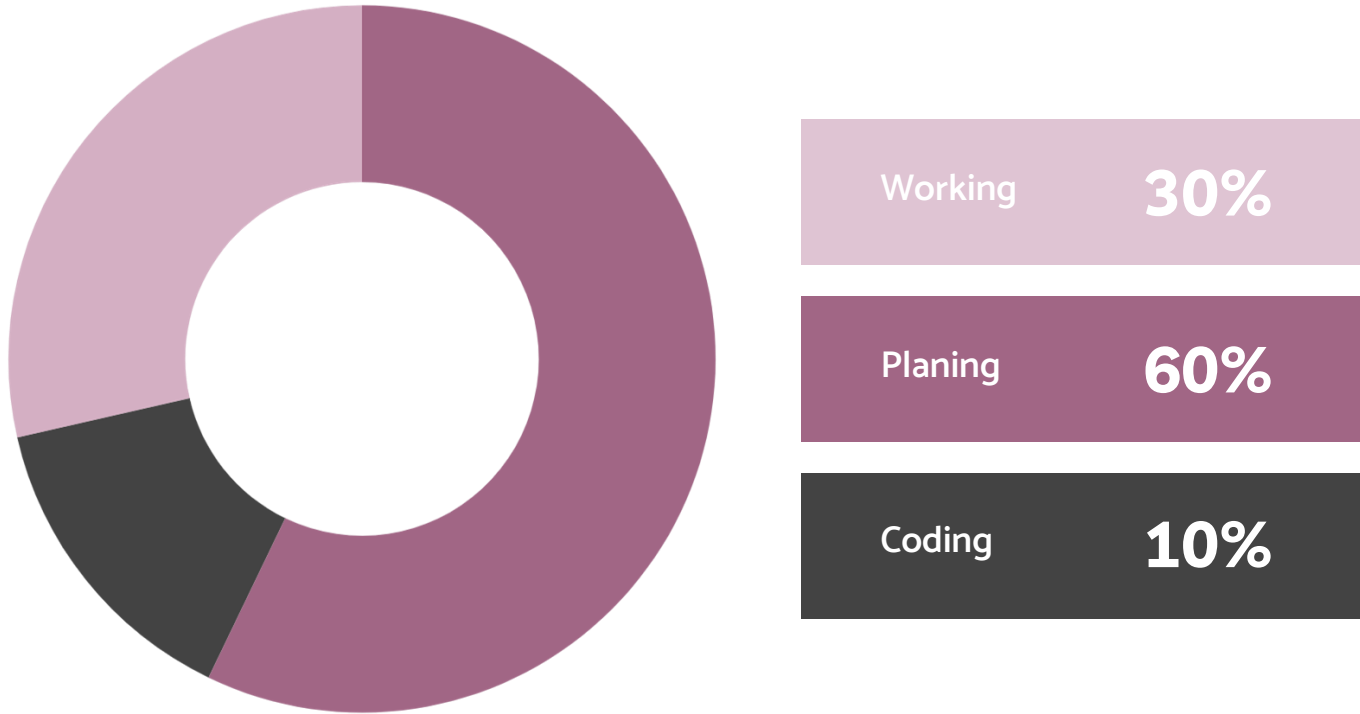
03

WHAT WE HAVE DONE

Over the last few weeks, we have been working on many topics in our Cookpit project. In this chapter we would like to give you an overview of what we have been working on.

CookPit

LESSONS
LEARNED

04

Setting up a project   SRS

GitHub actions   CI/CD workflow

Data structure   Class diagramms

WHAR WE HAVE LEARNED

Demo time

Follow the project updates on our
weekly GitHub blog.