

# <CookItUp!>



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# Introduction



- Problems we want to solve:
  - ❖ Low appreciation of people for the food period and the importance of a good meal.
  - ❖ Increased usage of precooked and fast food in society.
  - ❖ Urgent need for more internet sites that substitute these unhealthy habits.
- **Solution:** Creating an app for sharing recipes with people all over the world.

# What We Offer



- Interact with other people
- Be innovative
- Express yourself
- Test and experiment with new creations

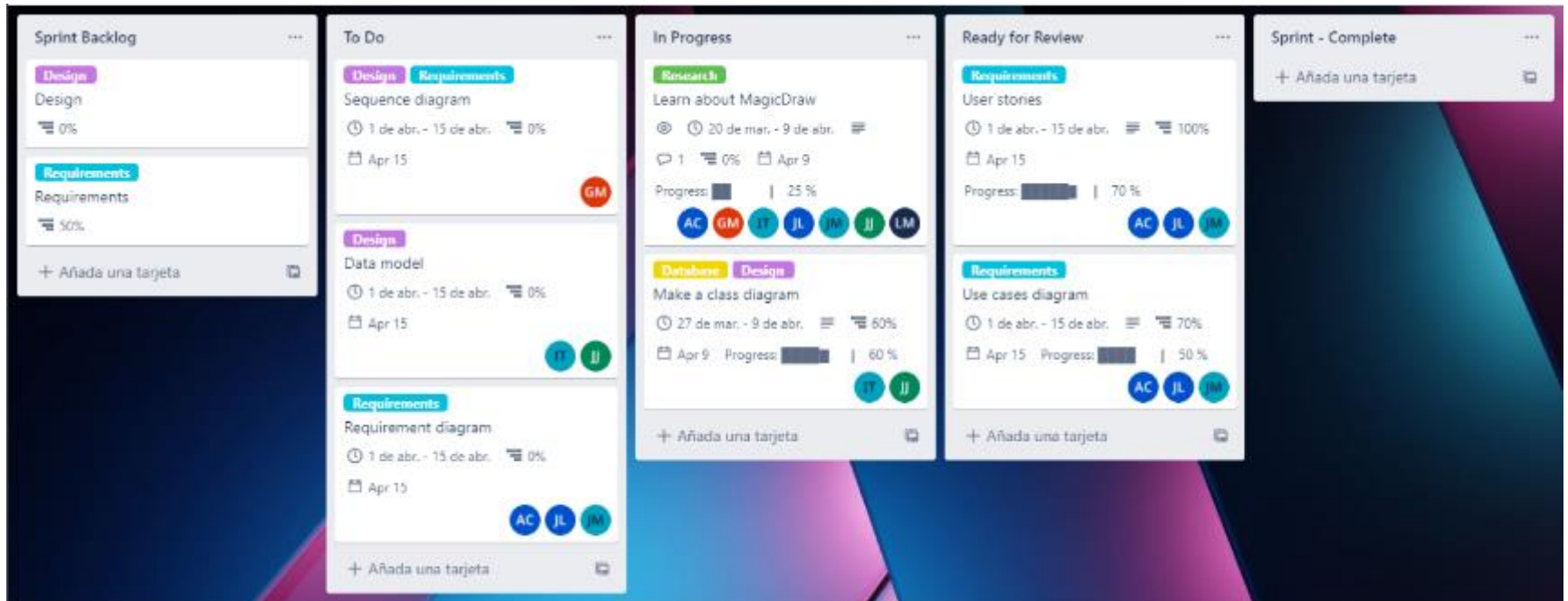
# Planning



- Roles Division

| Name                        | Roles                               |
|-----------------------------|-------------------------------------|
| Inbal Hasson Tapiero        | Technical leader, Modelling, Design |
| Alfonso Martínez Conejo     | Requirements, Risks                 |
| Javier Zafra del Moral      | Requirements, Testing               |
| Guillermo Pérez-Peña Martín | Quality, Testing                    |
| Javier Jordán Luque         | Requirements, Risks                 |
| Lucía Corpas Lopez          | Testing                             |
| Jorge Velázquez Jiménez     | Design, Modelling                   |
| Lucía Gutiérrez Molina      | Management leader, Quality          |

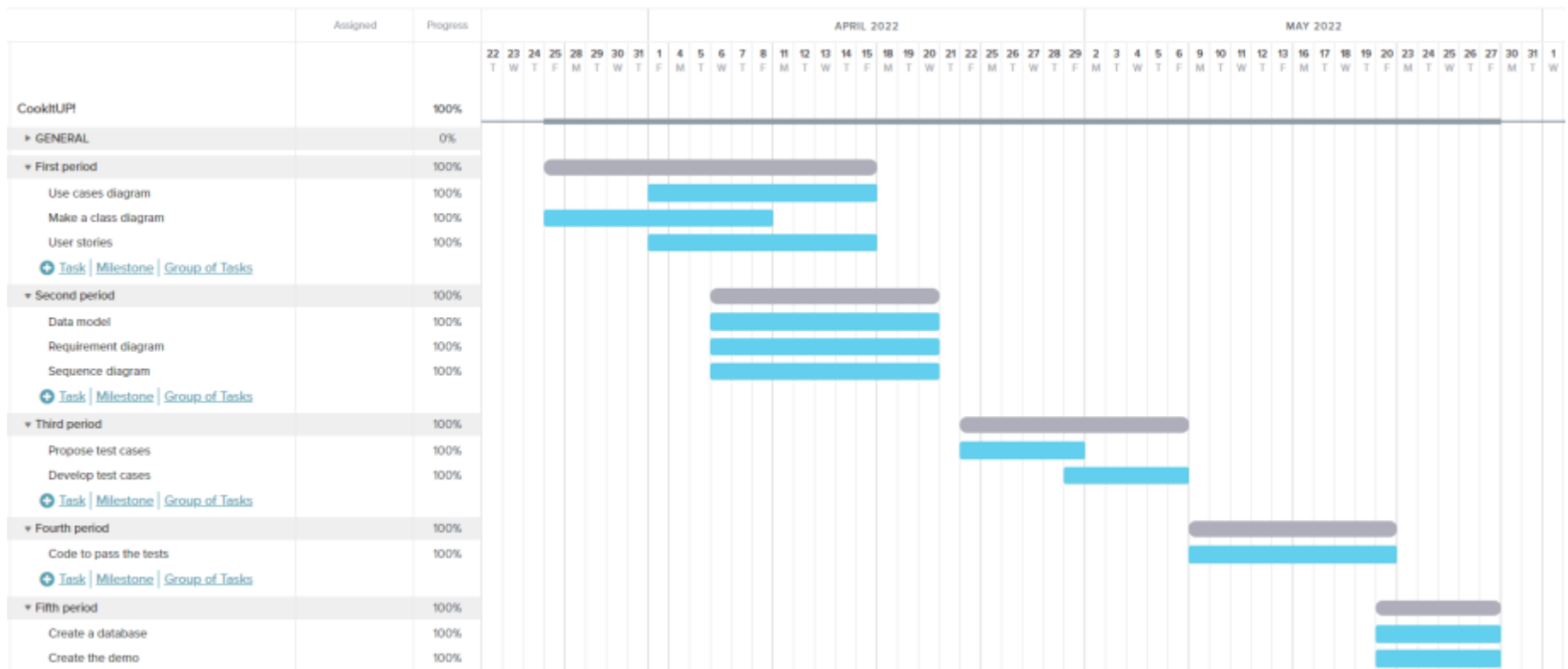
# Planning



# Planning



## ● Gantt Chart



# Planning



- Agile Method: Scrum

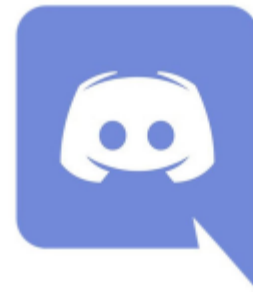




# Teamwork



- Monday and Friday Meetings
- Extra Online Meetings via Discord
- Individual Reports per 2 Weeks







# Requirements



- User Stories

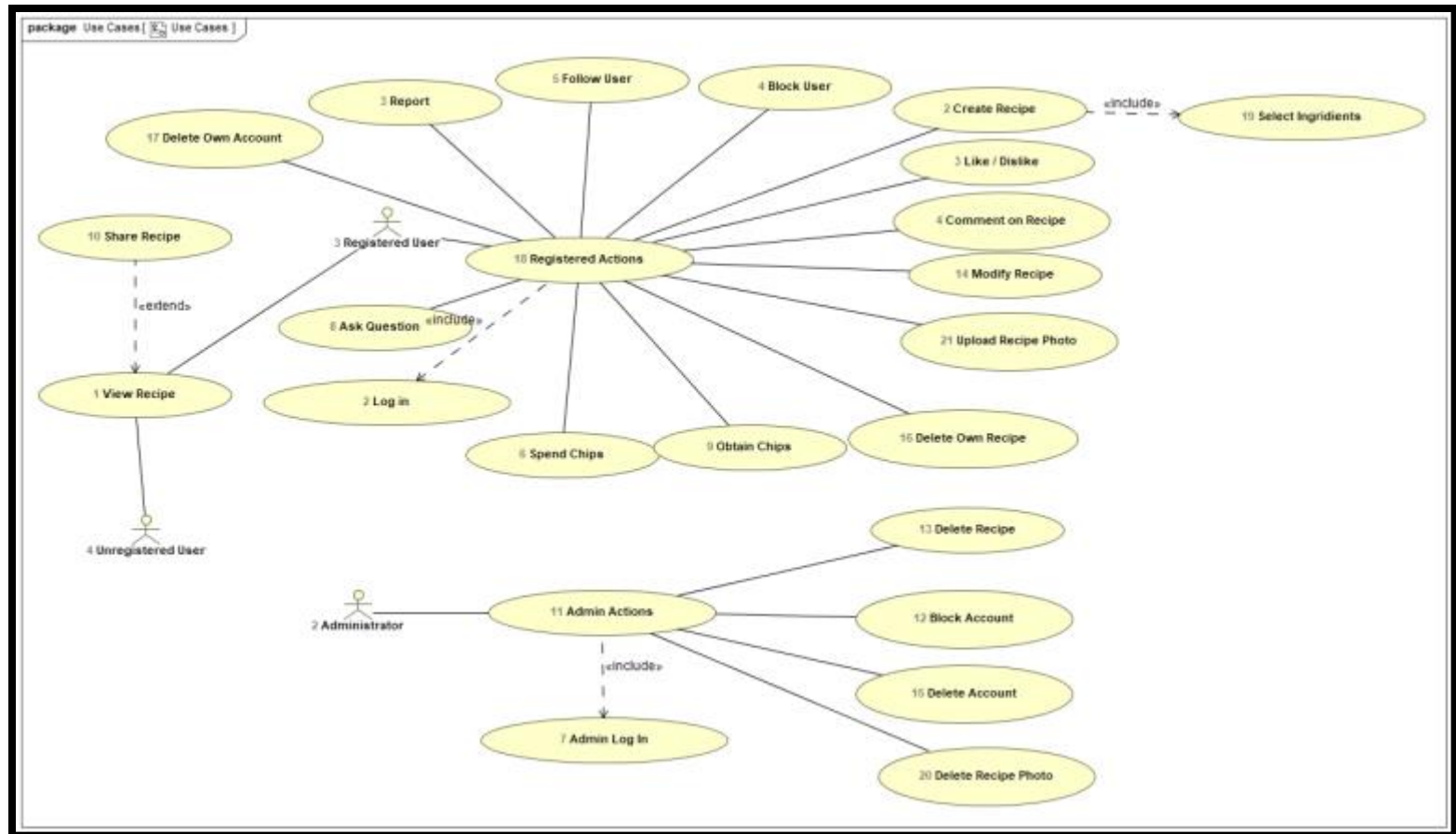
- ❖ Some Examples:

| # | ID    | Name  | Documentation   | Acceptance Criteria  | User Story Owner | Risk | Rank | Sprint |
|---|-------|---|---|--|------------------|------|------|--------|
| 1 | US-24 |  Create a Recipe | As a registered user I am able to create a new recipe, explaining the details of how it was made and adding at least one photograph | 1. There should be two separate parts: one for the necessary ingredients, and another one for the steps to do<br>2. The recipe description cannot be empty<br>3. At least one photo must be uploaded. There may be more. |                  | High | High | 1      |
| 2 | US-25 |  View Recipe     | As a user I am able to see recipes and view their content   | 1. It should not be necessary to be registered to view the receipes  |                  | Low  | High | 1      |
| 3 | US-31 |  Comment         | As a registered user I am able to comment on recipes they have tried, in order to share their opinion.                              | 1. Only users that have done the recipe can make a comment   |                  | High | High | 2      |
| 4 | US-34 |  Like / Dislike  | As a registered user I am able to like and dislike other user's recipes   | 1. Only users that have done the recipe can like / dislike   |                  | Low  | High | 1      |

# Requirements



- Use Cases



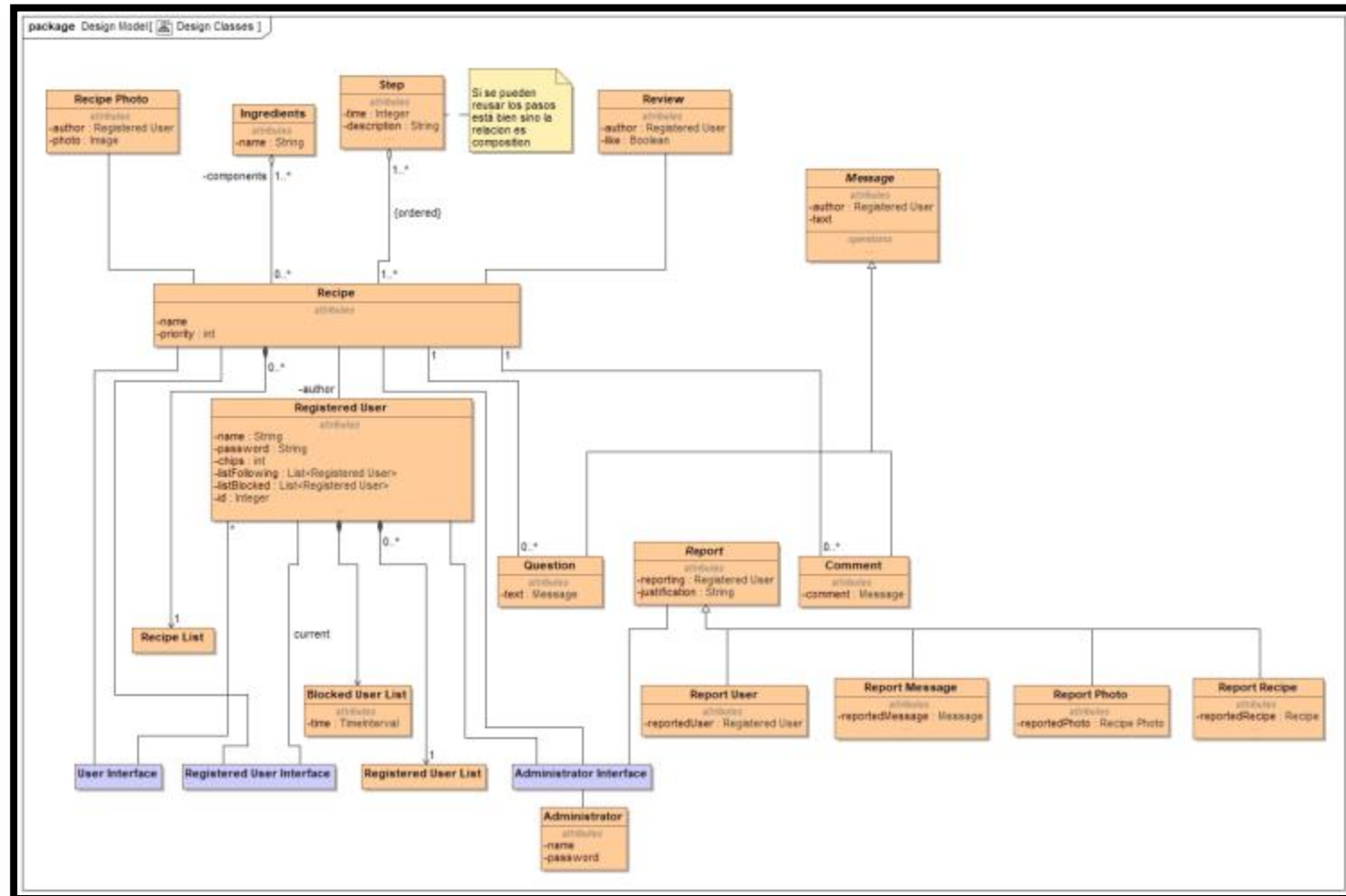
# Requirements



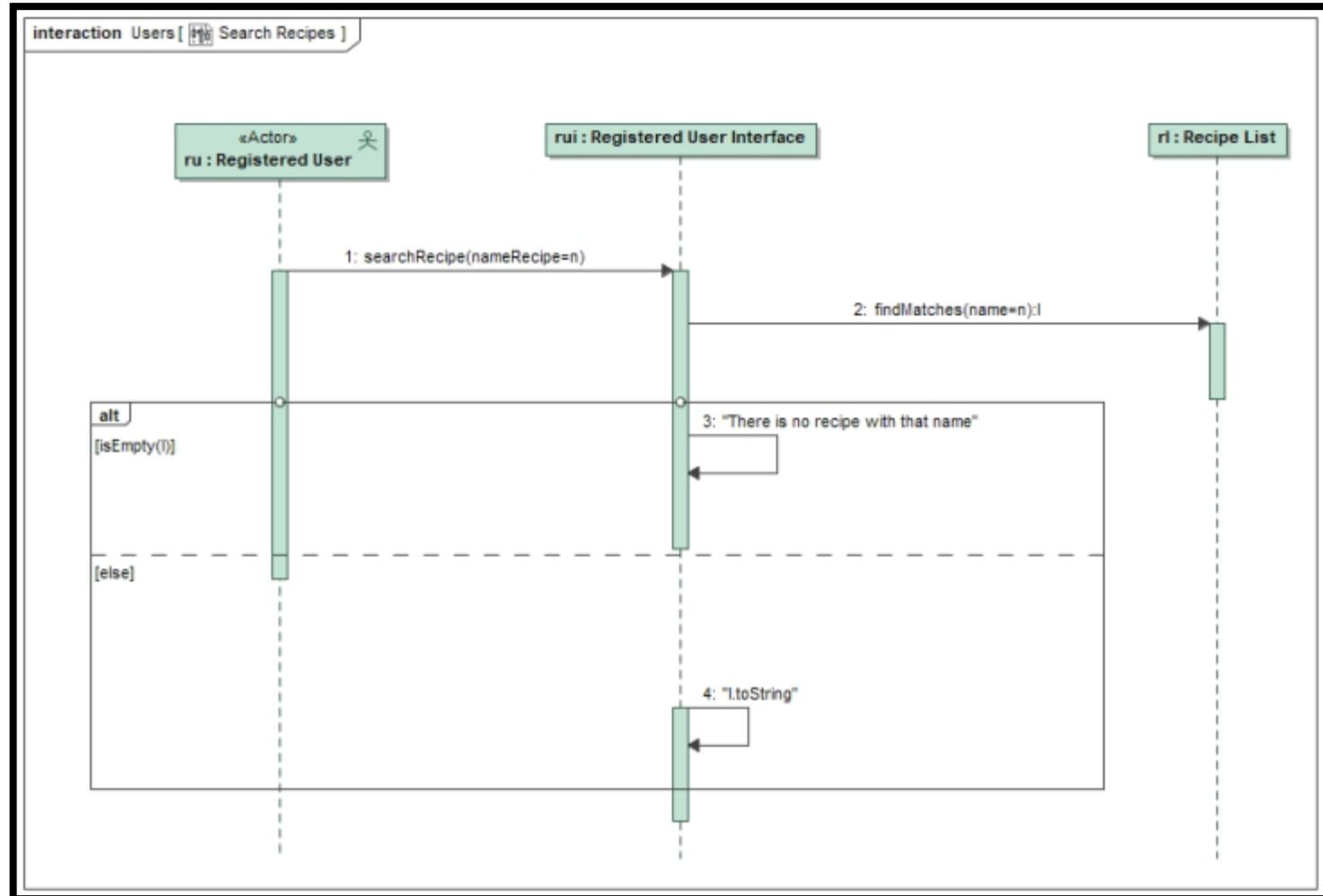
- **Functional Requirements**

- ❖ Create an account
- ❖ Log in/out
- ❖ Create/delete a recipe
- ❖ Database for storage
- ❖ View a recipe
- ❖ Like/dislike a recipe
- ❖ Comment/question
- ❖ Share recipes
- ❖ Gain coins
- ❖ Report users
- ❖ Delete own account
- ❖ Block users
- ❖ Follow users
- ❖ Modify recipes

# Class Diagram



# Sequence Diagram



# Architecture



- Object-Oriented Call and Return

## Structure of call and return architectures

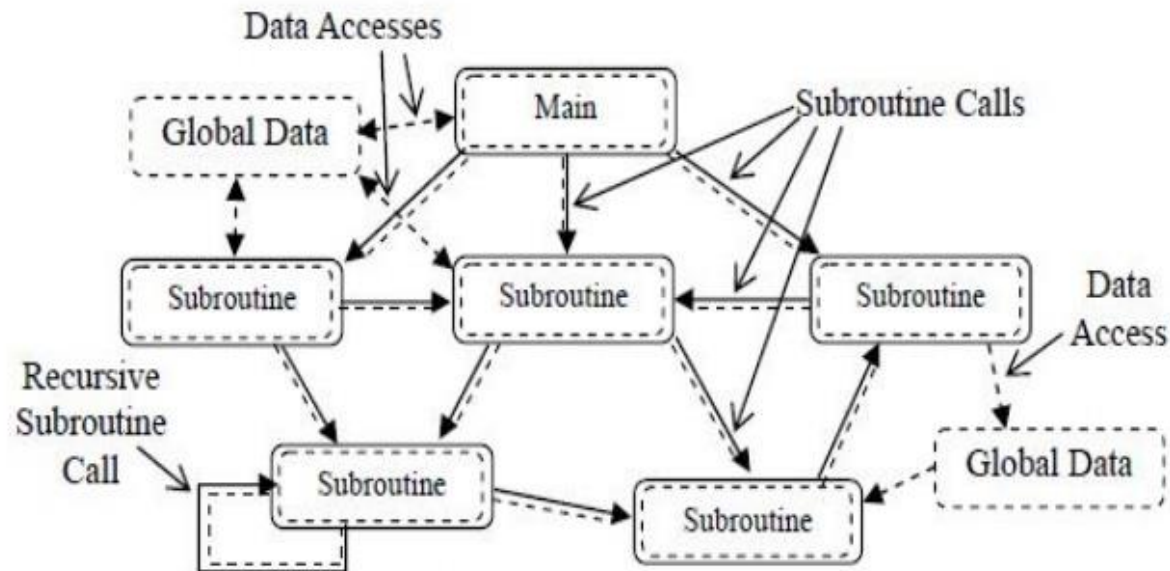


Figure 6.12 Structure of call and return architectures

# Environment

- Java



- Eclipse





# Testing



- Test-Driven development

- Junit 5

```
@Test
void usuarioBloqueaUsuarioLoAnadeAListaDeUsuariosBloqueados() {
    us0interface.block(us2);
    assertTrue(us0interface.isBlocked(us2));
    assertFalse(us0interface.block(us2));
}

@Test
void usuarioDesbloqueaUsuarioLoQuitaDeListaDeUsuariosBloqueados() {
    us0interface.unlock(us1);
    assertFalse(us0interface.unlock(us1));
}
```

Runs: 14/14

Errors: 0

Failures: 0















RegisteredUserInterfaceTest [Runner: JUnit 5] (0,256 s)

- usuarioFollowUsuarioLoAnadeListaDeUsuariosSeguidos() (0,001 s)
- usuarioAgregaPasoAUnaRecetaYSeAgregaALaListaDeStepsDeLaReceta() (0,000 s)
- usuarioAgregaIngredienteAlaRecetaYSeAnadeALaListaDeIngredientes() (0,041 s)
- usuarioBloqueaUsuarioLoAnadeAListaDeUsuariosBloqueados() (0,006 s)
- usuarioEliminaIngredienteDeLaRecetaYSeEliminaDeLaListaDeIngredientes() (0,042 s)
- usuarioCreaUnaRecetaYSeAnadeAListaDeRecetas() (0,030 s)
- usuarioSeGastaLasChips() (0,006 s)
- deletearMiPropiaCuentaDeUsuario() (0,023 s)
- usuarioDesbloqueaUsuarioLoQuitaDeListaDeUsuariosBloqueados() (0,021 s)
- usuarioHaceComentarioSobreUnaRecetaYSeAnadeAListaDeComentariosDeLaReceta() (0,020 s)
- usuarioQuitaPasoAUnaRecetaYSeEliminaDeLaListaDeStepsDeLaReceta() (0,005 s)
- usuarioPreguntaUnaQuestionSobreUnaRecetaYSeAnadeAListaDePreguntasDeLaReceta() (0,018 s)
- deletearMiPropiaRecetaYQuitarDeListaDeRecetas() (0,033 s)
- usuarioUnfollowUsuarioLoQuitaListaDeUsuariosSeguidos() (0,010 s)

# Database



- Text Files

|   |                  |                    |      |
|---|------------------|--------------------|------|
|  Administrators        | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  BlockedTable          | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  Comments              | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  FollowTable           | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  Fridge                | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  Ingredients           | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  Questions             | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  RecipeIngredientTable | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  Recipes               | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  RecipeStepTable       | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  RegisteredUsers       | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  Reports             | 03/06/2022 16:41 | Documento de te... | 1 KB |
|  Reviews             | 03/06/2022 16:41 | Documento de te... | 0 KB |
|  Steps               | 03/06/2022 16:41 | Documento de te... | 1 KB |

# Design Principles



- Modularity
- Increase Cohesion
- Reduce Coupling
- Singularity
- Interface Segregation

# Why “CookItUp!”?



- Young
- Ambitious
- Entertaining without addiction

# Results and Conclusion



- Terminal Demo

```
You logged in
Welcome to CookItUp,how would you like to join us??
1. As a register user
2. As an unregistered user
3. As an administrator
1
-----
Menu Principal
1. See all recepies
2. See own profile
3. Create recipe
4. Exit Program
1
#1
Tortilla de papa
Author: Jorge
Ingredients:
    Patata
    Huevo
Steps:
1. 10 min: Batir los huevos
2. 30 min: Cortar la patata

#2
Huevo frito
Author: Jorge
Ingredients:
    Huevo
Steps:
1. 10 min: Batir los huevos

-----
What do you want to do
1. Select a recipe to view details
2. Next Page
3. Go back.
```

- What we have learned...

- Teamwork
- Responsibility
- Importance of schedule