SOFTWARE DESIGN DOCUMENT

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MyRecipes

A recipe sharing web application

A recipe search web application

An application develop your cooking skills

An application place to meet new friends

A place to be inspired

Problem

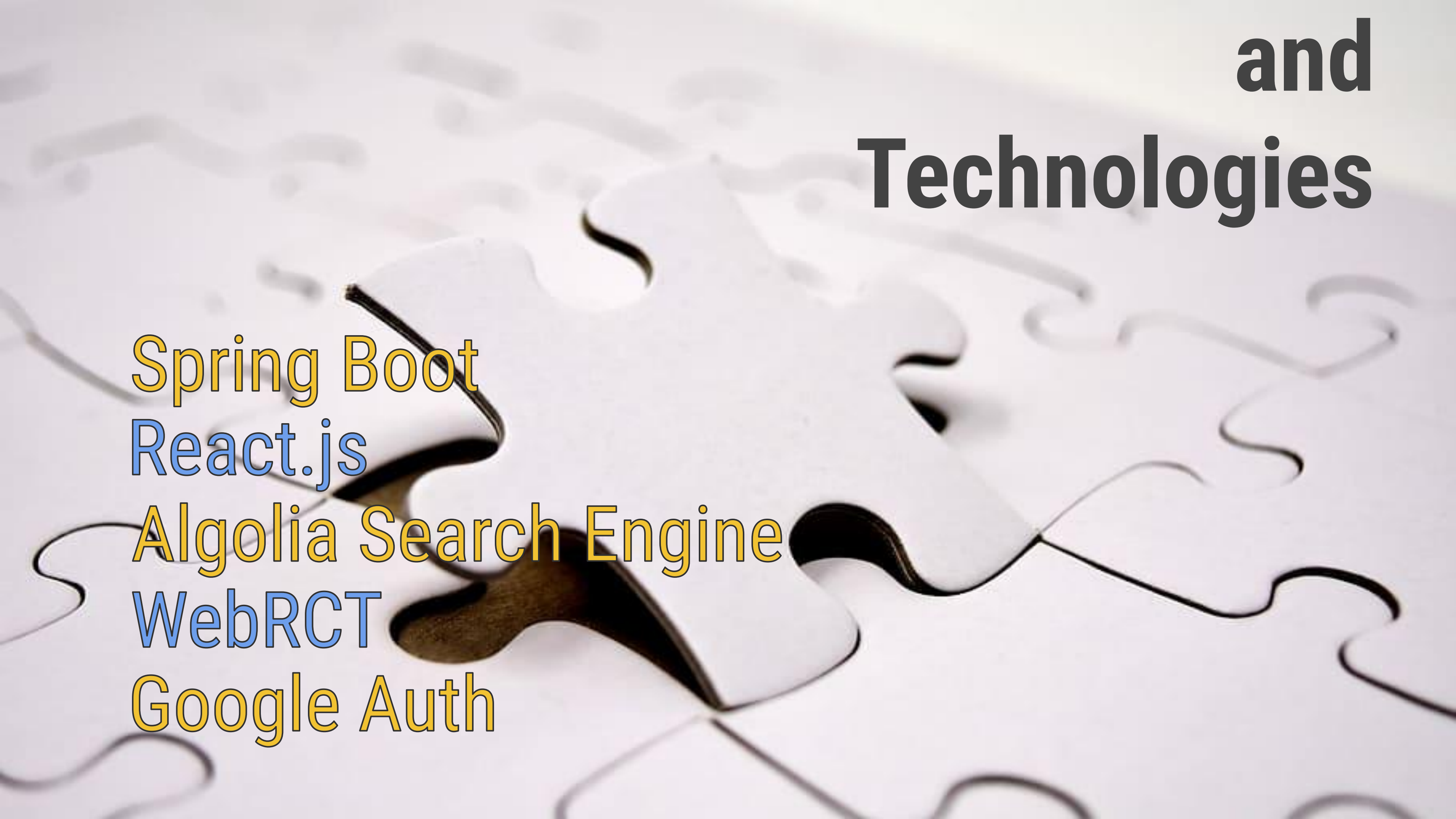
A recipe sharing web application

People want to learn how to cook

An application develop your cooking skills

An application place to meet new friends

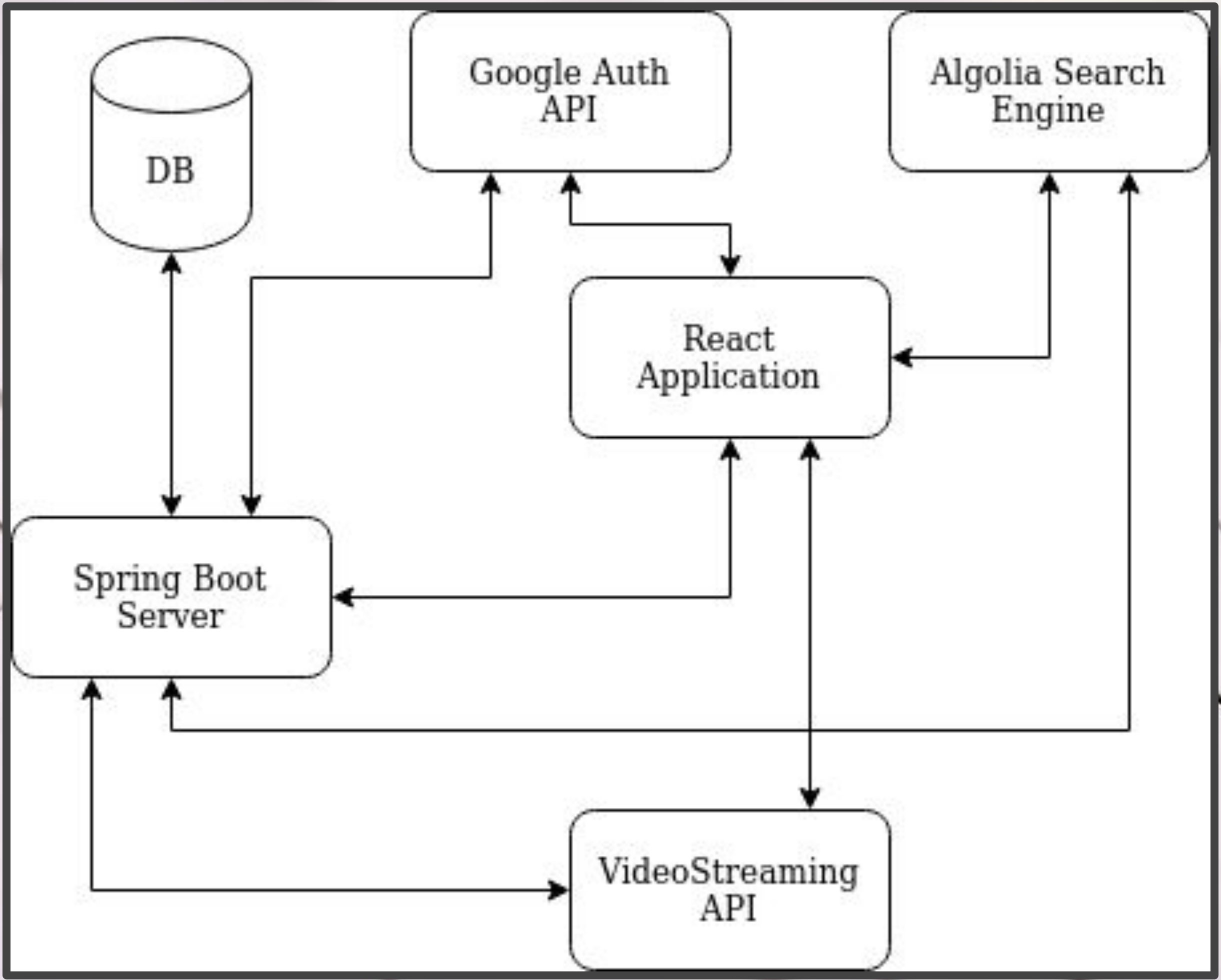
A place to be inspired



and Technologies

Spring Boot
React.js
Algolia Search Engine
WebRCT
Google Auth

General Architecture View



Major Features

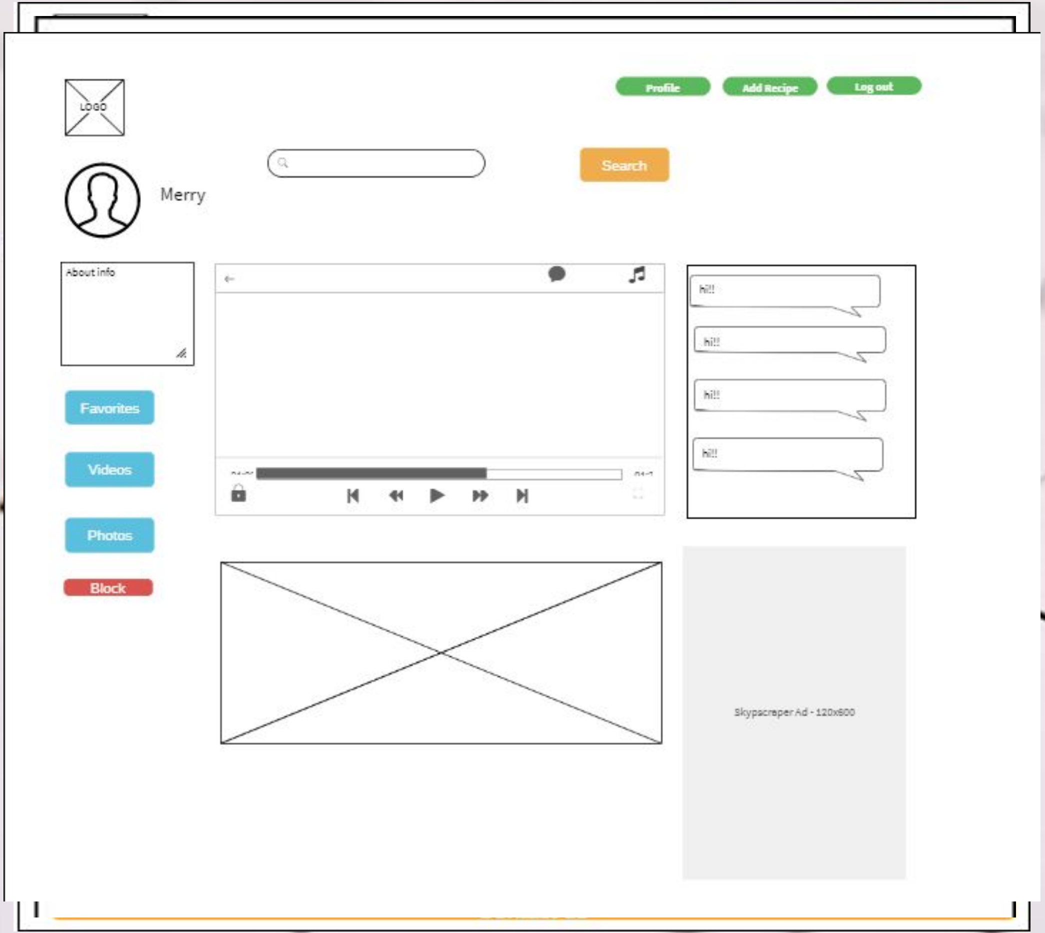
General Text Based Search with different filters

Display of uploaded recipes in different categories

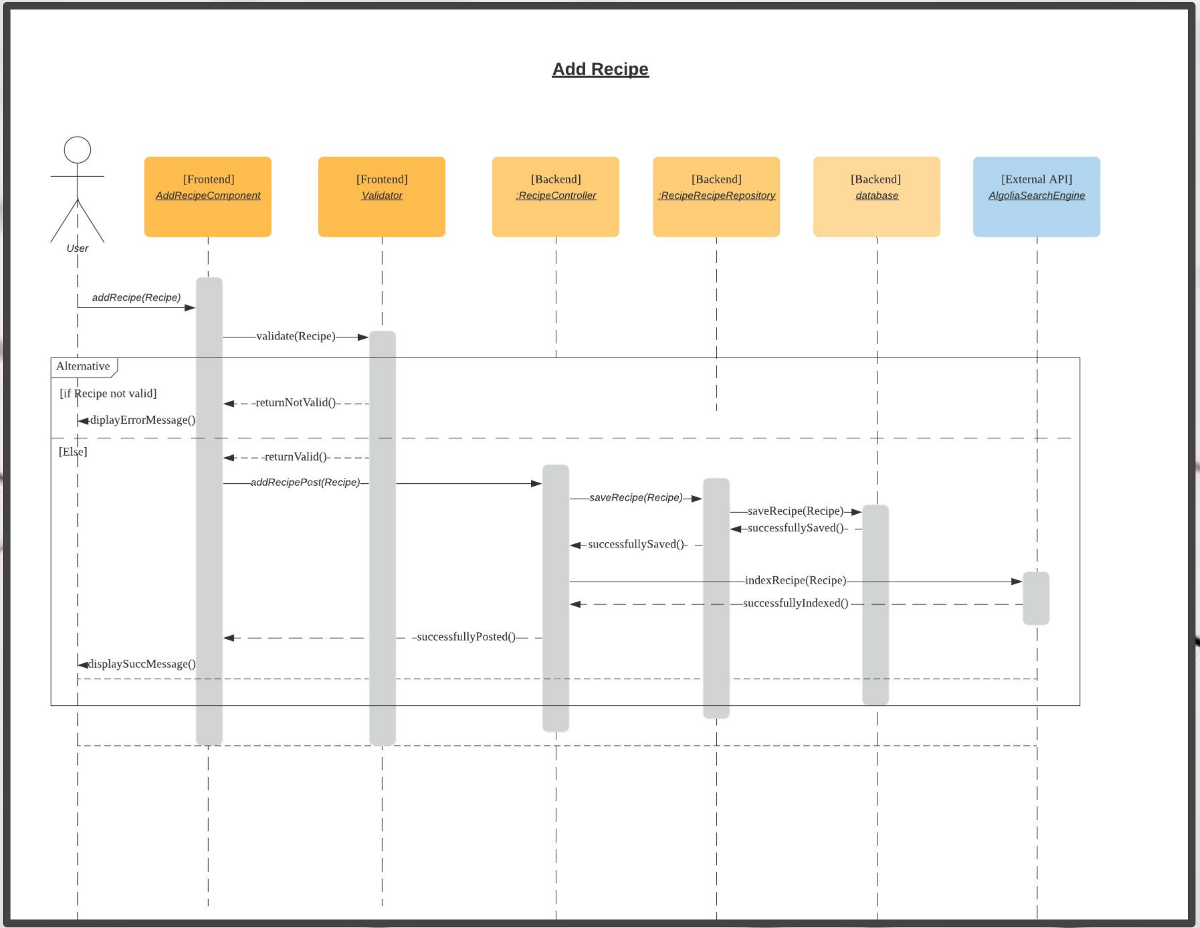
Live streaming

Messages and inbox

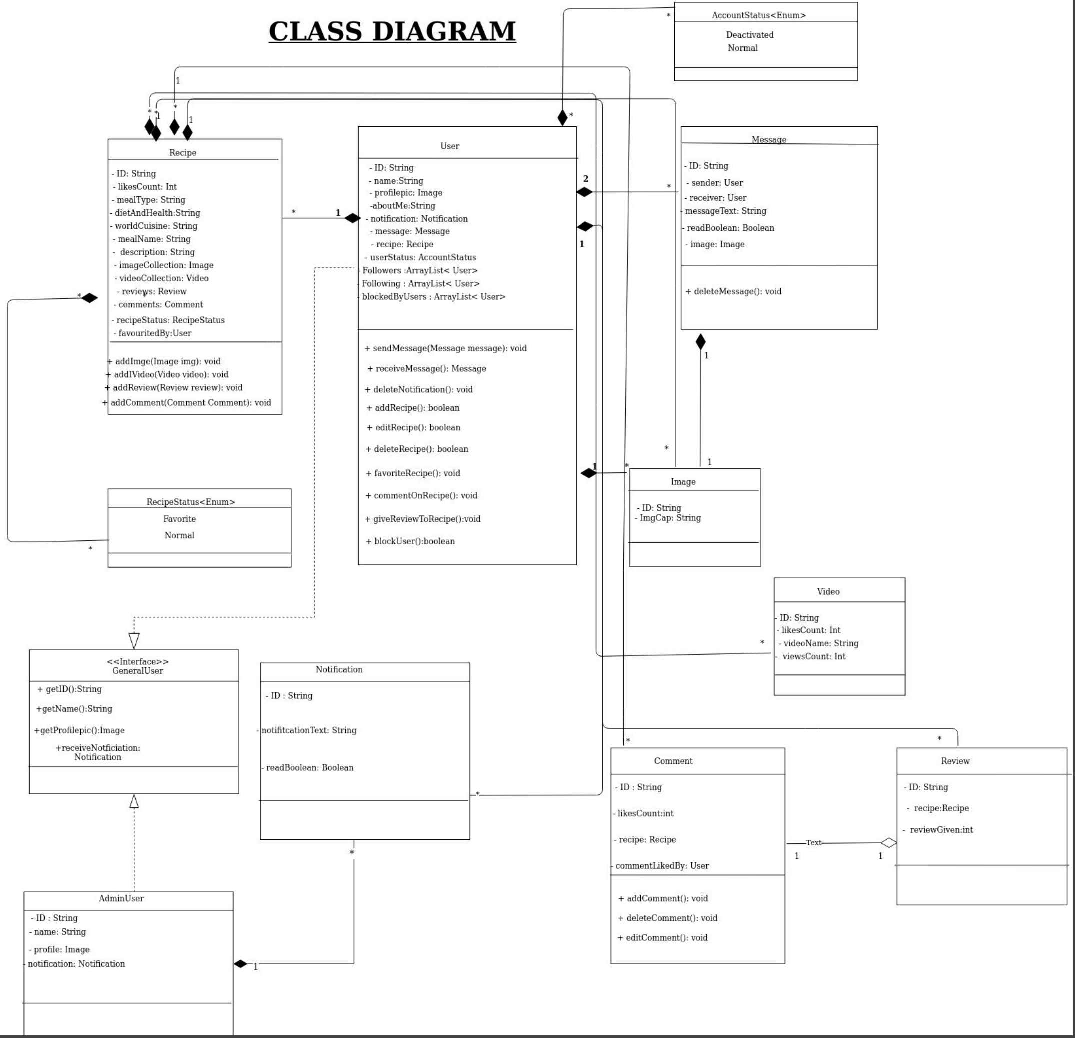
User Interface Diagram



Sequence Diagram



CLASS DIAGRAM



Recipe
- ID: String
- likesCount: Int
- mealType: String
- dietAndHealth:String
- worldCuisine: String
- mealName: String
- description: String
- imageCollection: Image
- videoCollection: Video
- reviews: Review
- comments: Comment
- recipeStatus: RecipeStatus
- favouritedBy:User

+ addImge(Image img): void
+ addIVideo(Video video): void
+ addReview(Review review): void
+ addComment(Comment Comment): void

User
- ID: String
- name:String
- profilepic: Image
-aboutMe:String
- notification: Notification
- message: Message
- recipe: Recipe
- userStatus: AccountStatus
- Followers :ArrayList< User>
- Following : ArrayList< User>
- blockedByUsers : ArrayList< User>

+ sendMessage(Message message): void
+ receiveMessage(): Message
+ deleteNotification(): void
+ addRecipe(): boolean
+ editRecipe(): boolean
+ deleteRecipe(): boolean
+ favoriteRecipe(): void
+ commentOnRecipe(): void
+ giveReviewToRecipe():void
+ blockUser():boolean

AccountStatus<Enum>
Deactivated
Normal

Message
- ID: String
- sender: User
- receiver: User
- messageText: String
- readBoolean: Boolean
- image: Image

+ deleteMessage(): void

RecipeStatus<Enum>
Favorite
Normal

Image
- ID: String
- ImgCap: String

Video
- ID: String
- likesCount: Int
- videoName: String
- viewsCount: Int

<<Interface>>
GeneralUser
+ getID():String
+getName():String
+getProfilepic():Image
+receiveNotficiation: Notification

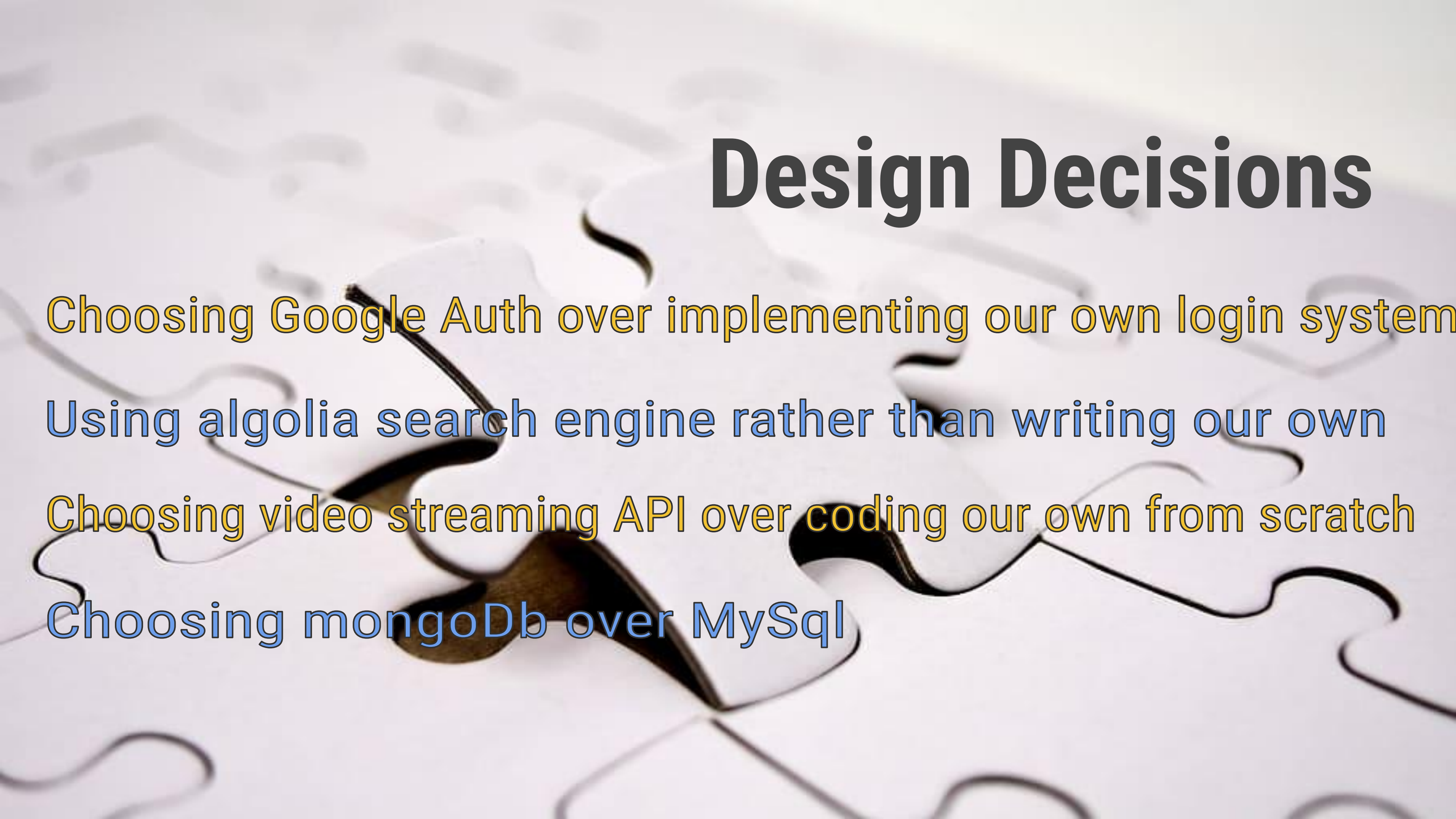
Notification
- ID : String
-notifitcationText: String
- readBoolean: Boolean

Comment
- ID : String
-likesCount:int
- recipe: Recipe
- commentLikedBy: User

+ addComment(): void
+ deleteComment(): void
+ editComment(): void

Review
- ID: String
- recipe:Recipe
- reviewGiven:int

AdminUser
- ID : String
- name: String
- profile: Image
- notification: Notification



Design Decisions

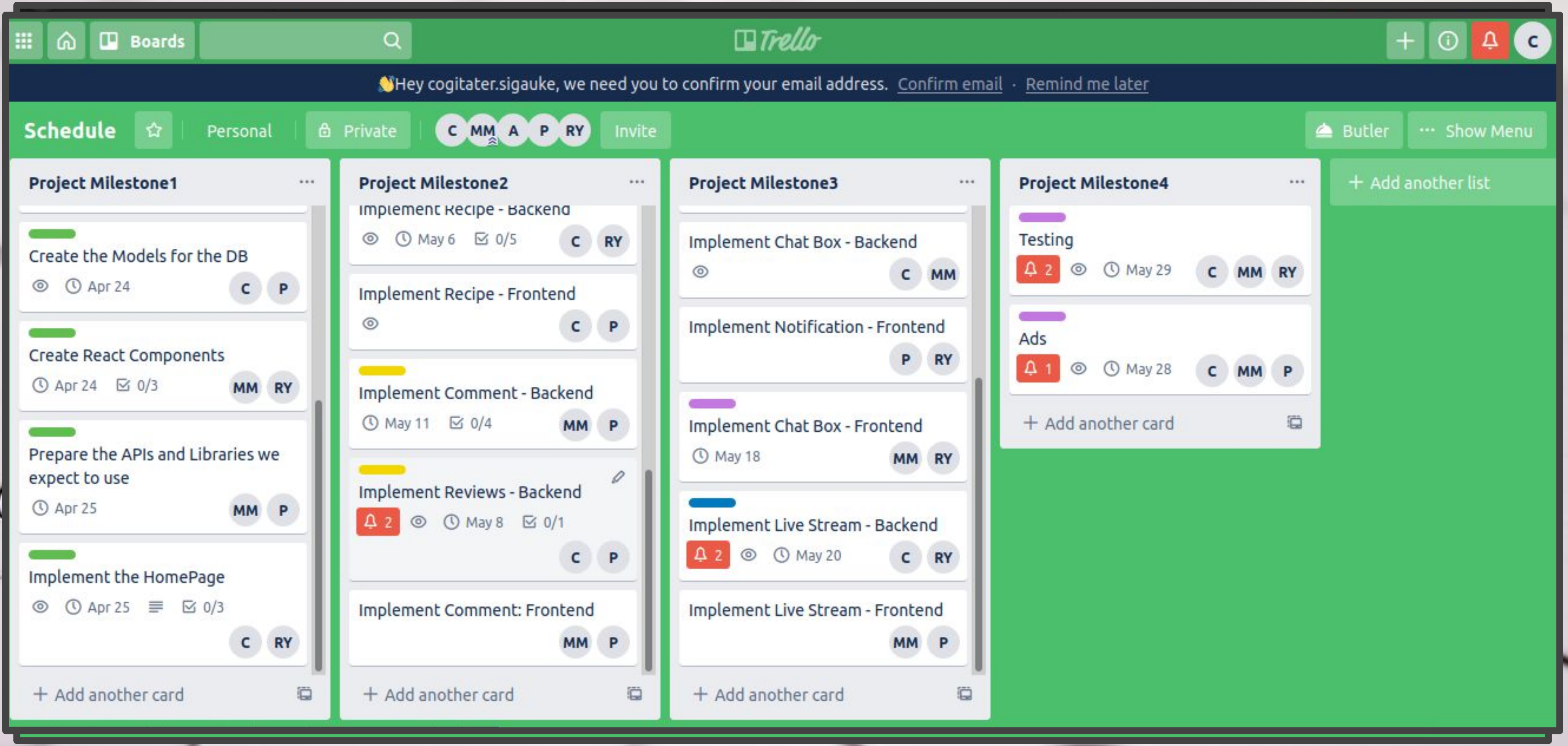
Choosing Google Auth over implementing our own login system

Using algolia search engine rather than writing our own

Choosing video streaming API over coding our own from scratch

Choosing mongoDb over MySql

Schedule and Deliverables



👋Hey cogitater.sigauke, we need you to confirm your email address. Confirm email · Remind me later

Project Milestone1

Create the Models for the DB — Apr 24 — C P

Create React Components — Apr 24 — 0/3 — MM RY

Prepare the APIs and Libraries we expect to use — Apr 25 — MM P

Implement the HomePage — Apr 25 — 0/3 — C RY

+ Add another card

Project Milestone2

Implement Recipe - Backend — May 6 — 0/5 — C RY

Implement Recipe - Frontend — C P

Implement Comment - Backend — May 11 — 0/4 — MM P

Implement Reviews - Backend — 2 — May 8 — 0/1 — C P

Implement Comment: Frontend — MM P

+ Add another card

Project Milestone3

Implement Chat Box - Backend — C MM

Implement Notification - Frontend — P RY

Implement Chat Box - Frontend — May 18 — MM RY

Implement Live Stream - Backend — 2 — May 20 — C RY

Implement Live Stream - Frontend — MM P

+ Add another card

Project Milestone4

Testing — 2 — May 29 — C MM RY

Ads — 1 — May 28 — C MM P

+ Add another card

Thank You !!!