Part 1 of the Object-Oriented Programming project

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Selected project: Tinder (dating app)

<u>Objectives:</u>

Develop a small-scale version of the Tinder app that allows for user matching, providing a visually appealing, intuitive, secure, and functional experience that encourages interaction between people through a user-friendly interface and effective communication tools.

- o **Functional Requirements**
  - Users will be able to register, log in, and edit their profile. This includes uploading photos, writing a bio, selecting interests, and modifying their personal information.
  - Users will be able to view other profiles and perform actions such as "Interested" or "Not Interested"
  - When two users express mutual interest (match), the system will notify both and a messaging channel will be enabled so they can communicate within the application.
  - Features to report and block users for inappropriate behavior.

- o **Non-Functional Requirements**
  - The application must have a clear, intuitive, and easy-to-navigate interface, accessible from a variety of devices.
  - Implement mechanisms such as secure authentication, encryption of sensitive data, and protection against common threats. Content blocking, reporting, and control options should be included.
  - The design should be modern, pleasing, and consistent, using a color palette and typography that promote a comfortable visual experience.
  - The application must maintain rapid response times and support progressive user growth without compromising the experience or system stability.

User stories:

USER STORY

Title: User registration	Priority: High	Estimate:

User Story:
     As a new user,
     I want to register using email and password,
     so that access the application.

Acceptance Criteria:
Given A new user opens the user registration interface,
When enter a valid email, a password and press the registration button,
Then your account is created successfully, and a confirmation message is displayed.

USER STORY

Title: Complete user profile	Priority: High	Estimate:

User Story:
     As a registered user,
     I want to enter data such as my name, birthday, gender, sexual orientation, interests, lifestyle,
     so that complete the creation of my profile and start the experience in the app.

Acceptance Criteria:
Given a user who has just successfully registered,
When access the app home page for the first time,
Then They are redirected to a profile creation completion screen where they can enter their name, date of birth, gender, sexual orientation, interests, and lifestyle before continuing to use the app.

USER STORY

Title: Upload images to the user's profile	**Priority:** High	**Estimate:**

User Story:
> As a registered user,
> I want to upload images to my profile,
> so that I personalize my profile and make it more attractive to other users.

Acceptance Criteria:
Given a user has successfully completed registration,
When you access the upload section and upload images to your profile,
Then you select and upload images from your device and receive confirmation when the image upload is successful.

USER STORY

Title: Tutorial on using the appointment interaction	**Priority:** High	**Estimate:**

User Story:
> As a user who has completed the creation of your profile,
> I want to have the option to see a tutorial on how to match, discard, like or super like,
> so that understand how the app works before you start interacting with other users.

Acceptance Criteria:
Given a user has completed their registration and completed their profile,
When you access the application after the process of providing your data and images,
Then have the option to watch a tutorial that explains how to match, reject, like, or super like before you start using the platform.

USER STORY

Title: Using interaction with profiles.

Priority: High

Estimate:

User Story:

As a user of the app,
I want to interact with other users' profiles using options such as match, dismiss, like or super like,
so that I connect and interact with people I'm interested in and improve my experience on the platform.

Acceptance Criteria:
Given an app user has completed creating their profile and has watched or skipped the tutorial,
When you start interacting with the profiles shown,
Then swipe or tap buttons to like, super like, or dismiss, and if a match is made, receive a notification of success.

USER STORY

Title: Chat with other users if you've matched

Priority: High

Estimate:

User Story:

As a user of the app,
I want to be able to chat with the people I've matched with,
so that start a conversation and get to know better these people with whom we had some pleasure
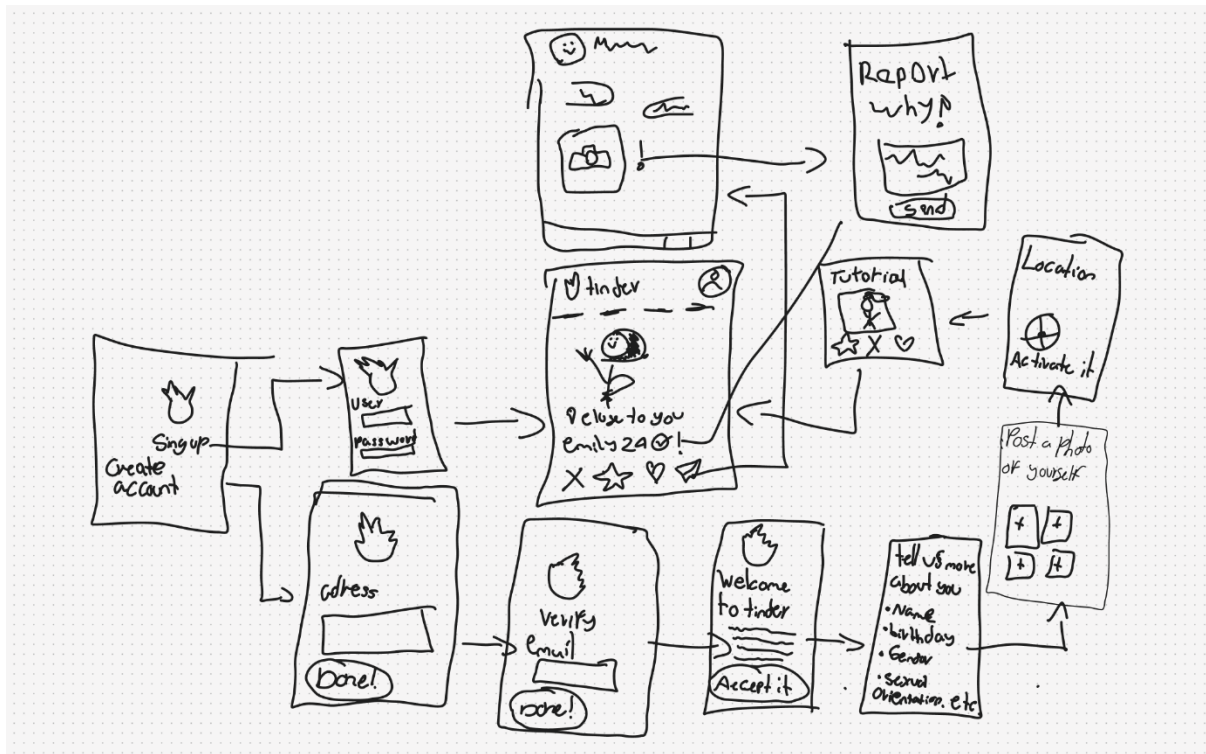
Acceptance Criteria:
Given a user has matched with another user,
When you access the notification received for having matched with that user,
Then then be automatically redirected to a private chat where you can send and receive messages with that person for better interaction.

Mockups:

- Imagen tomada del link:
  https://www.figma.com/board/fnGljgUhbNpFASJmIpG6rC/Untitled?node-id=0-1&t=pt9D6LsBvTT4PDfy-1

CRC Cards:

Class Name: User	
Responsibilities: - Manage account (register and login) - Edit personal information - Upload profile images	**Collaborators:** - MatchSystem

Class Name: MatchSystem

Responsibilities:
- Show other user profiles
- Register like/dislike actions
- Detect matches

Collaborators:
- User
- MessageSystem

Class Name: MessageSystem

Responsibilities:
- Allow matched users to chat
- Store and show messages

Collaborators:
- Match
- User

Class Name: Match

Responsibilities:
- Represent a mutual interest between two users
- Allow chat if users have matched

Collaborators:
- MessageSystem
- User

Class Name: Reports

Responsibilities:
- Allow users to report inappropriate behavior
- Attach the details of the report

Collaborators:
- User
- MessageSystem
- MatchSystem