**Tinder Mini
Vision Document**

Version 1.0

Revision History

Date	Version	Description	Author
31/10/2022	1.0	Basic description of the project.	Ho Si Duc, Nguyen Van Hieu

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Vision (Small Project)

1. Introduction

These days, many young people are having trouble finding their soul mate. In an era where the internet has become extremely popular, especially with young people who use the internet regularly for 5-7 hours a day, online dating helps young people easily find suitable people while helping to expand relationships

This Tinder Mini App is based on the existing Tinder app to provide a means to help a person get to know each other, and connect people with the same interests, age, gender, zodiac, etc. Users can meet, chat and share their stories with strangers over the internet.

2. Positioning

2.1 Problem Statement (Phát biểu bài toán)

The problem of (vấn đề về)	Many young people are single or have a need to chat and confide in strangers but lack a tool to help connect people.
affects (ảnh hưởng đến)	Young people are between the ages of 16 and 30.
the impact of which is (ảnh hưởng là)	Young people have the need to chat, meet people, expand relationships, and most importantly find their love.
a successful solution would be (giải pháp thành công sẽ là)	Help people connect with each other.

2.2 Product Position Statement (Phát biểu giải pháp)

For (sản phẩm cho ai)	Young people are between the ages of 16 and 30.
Who (làm gì)	Connecting people
The (product name) (tên sản phẩm)	Tinder Mini
That (sẽ)	Allows people to connect and chat with people with similar interests, ages, genders, locations, and zodiac signs... through the internet.
Unlike (khác với)	Tinder, Facebook Dating, Waodate, …
Our product (sản phẩm của chúng tôi)	Connecting people who are suitable for each other, then recommending dates, community events to meet each other in real life.

3. User Descriptions

3.1 User Profiles

User needs to provide the following information:

- Avatar (Optional but recommended)

- Username

- Data of birth (required to determine the zodiac sign)

- Gender

- Location (Optional but recommended)

- Hobby

- Expectations, desires about partner

3.2 User Task and Environment

- Sign Up/Sign In: Allows registering a new account for users who start using the app dating.

  o Made by: All users.

  o Frequency: One time only.

  o Constraint: Only register accounts that are not in the database yet.

- Macht: pairing users based on interests, gender, address, age, etc.

  o Made by: All users.

  o Frequency: No limit

  o Constraint: users must successfully match after specific quantity.

- Dating Idea Suggestions: Give out the dating suggestions after the match is successful.

  o Made by: Users who match successfully.

  o Frequency: No limit

  o Constraint: Predictions based on user-relevant information: interests, gender, address, age.

3.3 Alternatives and Competition

Tinder: is the most popular dating app with a huge user base that helps users find love, start dating or simply make a friend, offering the opportunity to connect with millions of people. single person.
Advantages:
- An enormous number of users.
- Features "match" with the finishing algorithm.
- Trouble-free operation constantly improved and expanded.
- Easily link with other social networks: Instagram, Spotify, …
- Can save photos and videos easily.
- Chat with no strings attached.
Disadvantages:
- User needs to upgrade to the gold version to use it effectively.
- Can be easily deceived by malicious users.

Facebook Dating: is a Facabook feature that helps users meet and chat with like-minded people securely and in control of their experiences. Users can match with people with similar interests and interests.
Advantages:
- Quick and simple profile setup.
- Use your Facebook profile to make matching suggestions based on your interests and activities on Facebook.
- Profiles separate from Facebook: Facebook Dating does not share dating activities on personal profiles or anyone on Facebook.

- Easy-to-use touch operation.
- The Secret Crush feature makes it possible to date people on your Facebook friends list.
- Easily link with other social networks: Instagram, …
- Freely chat with each other (no need to match).
- The FLAG_SECURE mechanism helps users keep information more secure: If you intentionally take a screenshot or record a video, Facebook Dating will immediately notify and prevent that action.

Completely free to use, no ads.

Disadvantages:

- Cannot send screenshots or videos.
- The number of users is low.

4. Product Features → functional user requirements

App Tinder Mini includes the following key features:

- Register: If the user does not have an account, they can register a new account by Email/Password or link via Google account, Facebook account.
- Login: Check current user account entered exists in the database or not. If the account already exists in the database go to the main screen, otherwise go to registration.
- Logout: Log out current account.
- Create user profile: Import the user's information after registration.
- Custom user profile: Edit user information.
- Take Tarot cards today: Allows the user to peel a tarot card from which to make suggested predictions for the user.
- Access camera to choose avatar: Allows the app to access the album to set up the avatar.
- Match normal: Matching suggestions based on interests, gender, location, etc.
- Match according to the zodiac sign: calculate the user's zodiac sign and suggest a pairing based on that zodiac sign.
- Recommend place for dating: Suggest dating places such as: parks, restaurants, eateries, cafes, etc.
- Text messaging: Allow users to send text messages.
- Image messaging: Allow users to send image messages.
- Voice messaging: Allow users to send audio messages.
- Video call real-time: Allow users to make phone calls.
- Send location: Allow to send a current location.

5. Non-Functional Requirements → non-functional user requirements

- Performance and scalability: when using an app, the user will notice the delay, but the flow of thought will not be interrupted. The system must be scalable enough to support 10000 visits at the same time while maintaining optimal performance.

- Portability and compatibility: App can launch on phones, tablets Android 9 Pie or above. 2GB of RAM and 4GB of RAM recommended, Hard disk space requires 2-5GB of free space.

- Reliability, maintainability, availability: The system must perform without failure in 85 percent of cases of use during a month. The mean time to restore the system (MTTRS) following a system failure must not be greater than 1day. MTTTRS includes all corrective maintenance time and delay time.

- Security: The system must secure the user information and does not allow permission to take pictures or videos.

- Localization: Responsive design suitable for young Vietnamese.

- Usability: Users can successfully use the system after 2 hours of use, users must successfully pair after at most 30 interactions with other people.