

# That1Site

Angel Torres

Bikrant Misha

David Burgwin

Joshua Gammage

Nicolas Sherman

Vinson Kok

Zhe Peng

A. Final Project Draft Description:

# That1Site – Dating Website

## Overview

We chose to develop a dating app because Valentine's day is just around the corner and we're getting worried. We expect our design to help others in real life by aiding them in finding their one true love.



## Goals

1. Basic and advanced search functionality
2. Messaging capabilities
3. Create, edit, delete profiles
4. Add, edit, delete, photos
5. Add, edit delete, videos
6. Perfect match suggestions.

## Tasks and Duties

1. Basic search functionality – David
2. Advanced search functionality - Josh
3. Messaging capabilities - Kok
4. Profile functions - Zhe
5. Photo functions - Nicholas
6. Video functions - Bikrant
7. Perfect math suggestion – Angel

} OK .

## Team Members

Angel Torres, Bikrant Misha, David Burgwin, Joshua Gammage, Nicolas Sherman, Vinson Kok, Zhe Peng



## B. Delegation Of Tasks:

- a. Angel Torres- Sequence Diagram
- b. Bikrant Misha- Class Diagram
- c. David Burgwin- Architectural Design
- d. Joshua Gammage- Use Case Diagram
- e. Nicolas Sherman- Sequence Diagram
- f. Vinson Kok- Set up Github repository, Software Process Model
- g. Zhe Peng- Software Requirements

## C. Software Process Model:

- a. For our dating website/app, we plan on employing an evolutionary software process model in the form of prototyping. Since our desired system requires lots of interaction with our end users, utilizing a prototyping paradigm would allow us to take user feedback quickly and implement more and better features. New requirements can also be accommodated for easily as prototypes are very flexible in design. Both stakeholders and developers would be able to see how the website/app works in a hands-on manner while it is being developed. These factors would all help ensure user understanding and satisfaction with our product and its functionalities.

## D. Software Requirements:

### a. **Functional requirements:**

- i. Register / login / logout: Users of each website should have their own account. Use this account to use other features of the website. Account

registration requires registration of identity information, payment method, contact phone number, and address.

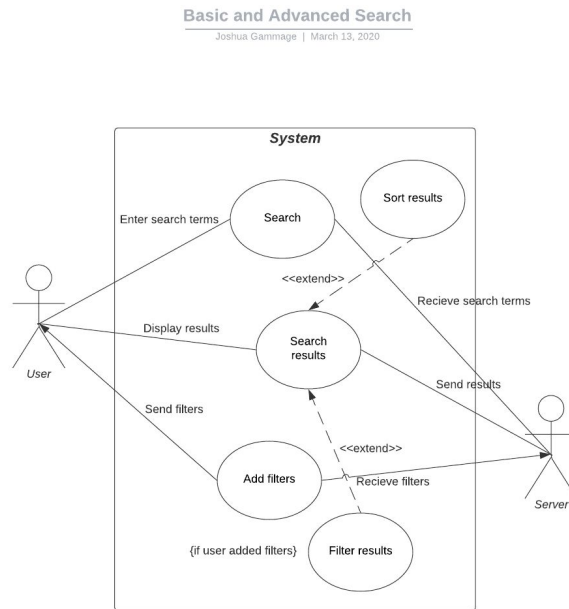
- ii. Account editing function: The account owner can use the account editor to change his ID, add personal information, such as adding photos or videos, add personal interests, etc.
- iii. Searching feature: Website users can search by searching for interests, ages, areas, etc. Our website categorizes and searches for objects that are of interest to users. At the same time, the website also allows specific searches directly by the website ID.
- iv. Chat function: The website provides users with a chat platform. You can learn more about the objects you are interested in. Our chat platform supports text chat, voice call and video call. The chat platform has also designed a blackout function to prevent users from being harassed.
- v. Perfect match suggestion: Based on the personal information entered by the user, the website will give a perfect match suggestion. Quickly give users a suitable target. This suggestion depends on the data matching of the website backend. This feature is charged.

**b. Nonfunctional requirements :**

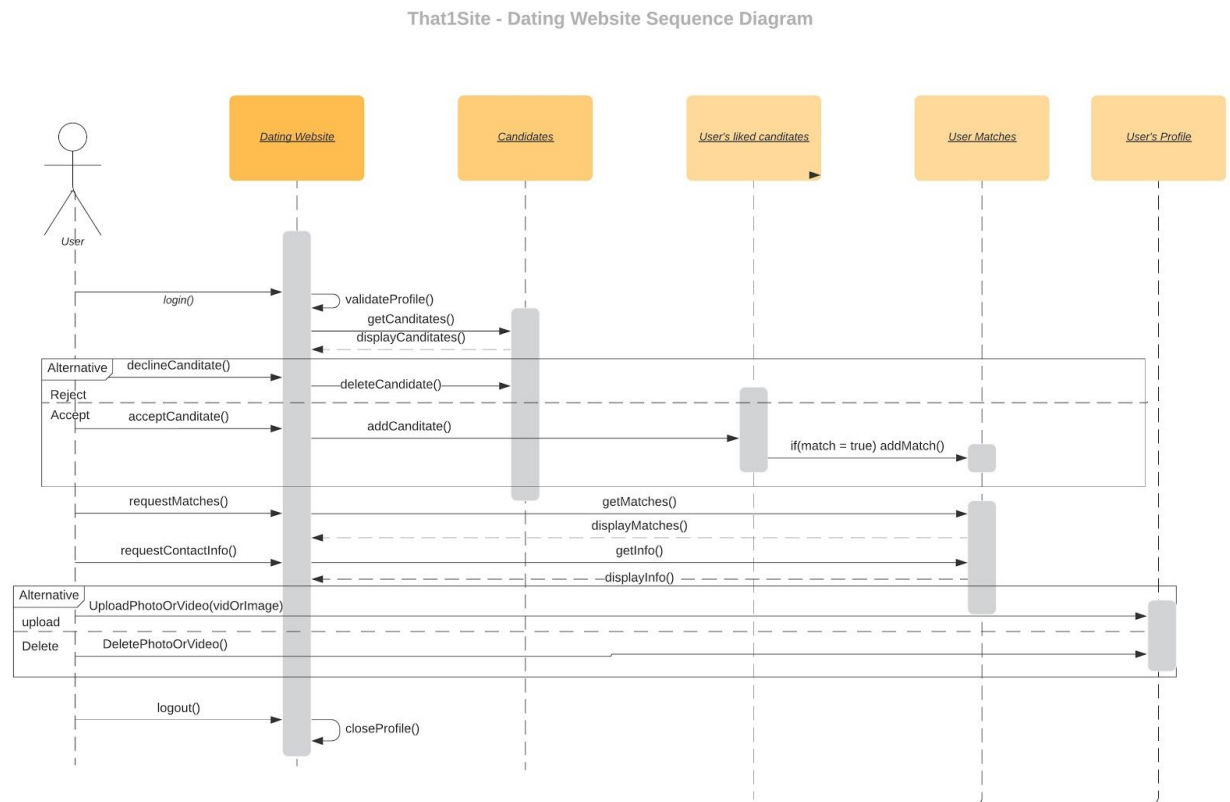
- i. Product requirements:
  - 1. Usability requirements: The user is older than 16 years. Guarantee the authenticity of personal information.
  - 2. Efficiency requirements: Make sure every user has a complete user experience at least once. (There is no performance requirement, space requirements)
  - 3. Dependability requirements: There are no virtual users, and every user is a real person.
  - 4. Security requirements: Ensure that users' personal information is not leaked.
- ii. Organizational requirements:
  - 1. Environmental requirements: None
  - 2. Operational requirements: Real-time website background updates to ensure the normal operation of the website.
  - 3. Development requirements: The website is updated once a month to show users more and richer content.
- iii. External requirement:
  - 1. Regulatory requirements: Website must comply with federal law
  - 2. Ethical requirements: The website complies with IEEE, PMI and other professional principles.

- iv. Legislative requirements:
1. Accounting requirement: Income is distributed reasonably and taxes are paid on time.
  2. Safety requirement: Protect user property and website property from infringement.

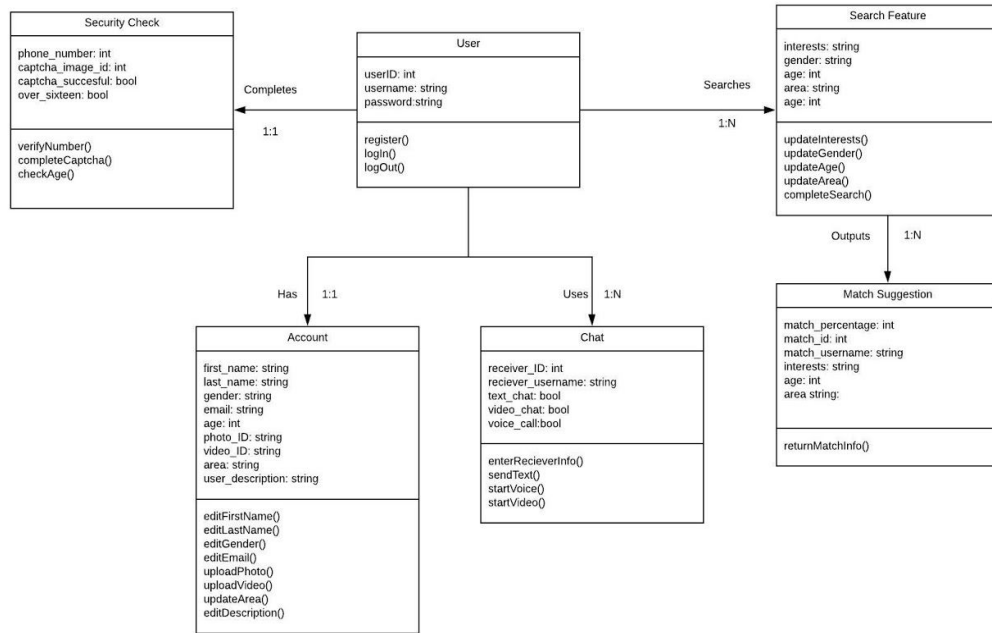
E. Use Case Diagram:



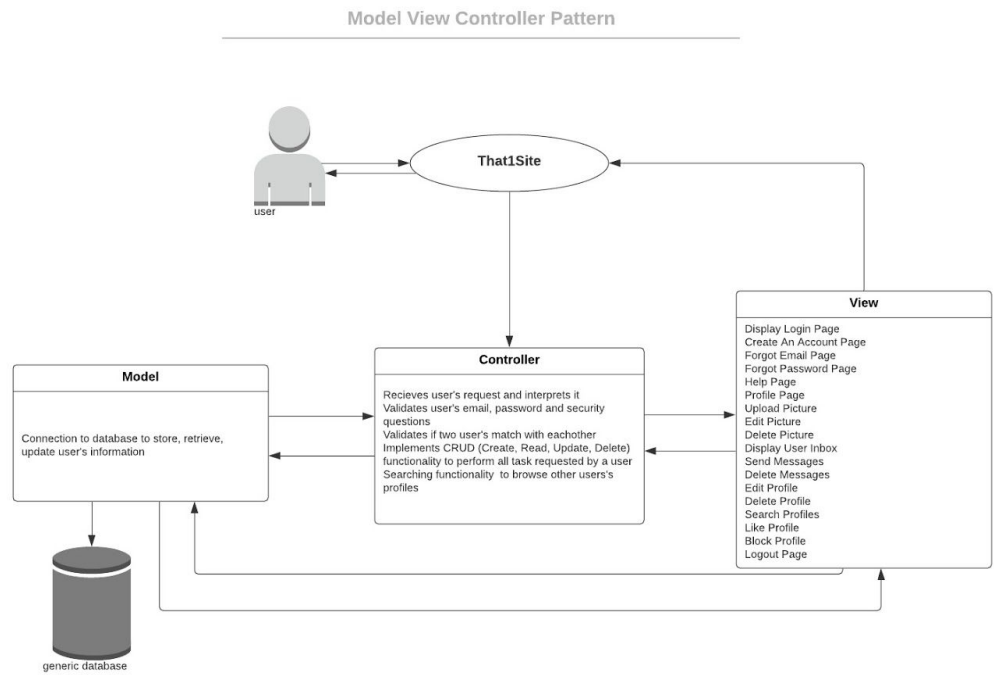
## F. Sequence Diagram:



## G. Class Diagram:



## H. Architectural Design:



I. Github URL: <https://github.com/vinson446/3354-That1Site>