Project Proposal for Project Option 3

Team Number: 13

## Team Members:

Herman Sood 47189063

Beth Ralston 18799312

Ethan Hsu 43371855

Sitt Hmue Paing 55059737

Adrian Fong 39205638

Vnonymous

## 1 Overview

In our project “Vnonymous”, our goal is to create a service for individuals who wish to maintain anonymity and confidentiality when sending videos of themselves to ensure privacy and to be able to share any length of video with minimal limits. When people are sending videos to others, a lot of people are concerned with letting others obtain their personal information. Additionally, people often get frustrated when sending videos because of the formats and size limits. Our project will allow for an easier and more comforting experience for those who may be uneasy with sharing videos of themselves for whatever the reason may be. We believe our solution is the best because we allow for freedom and flexibility by giving users a list of options when sending videos. For example, you will be able to blur your face when sending a video of yourself. This allows for personal privacy. Furthermore, our solution eliminates the hassle of sending large video files.

#### 1.1 Envisioned Usage

* Sender (Ex. Patient)

The sender logins in and receives a request from the receiver with video criteria to be met. The sender can accept a contact request if needed, to send the video. The sender then creates a new video upload. After the video has been recorded, the options window shows up. The options are as follows, blurring the face and/or background, encrypting personal information, deleting the video from the database and a view time limit. Once the options have been chosen, they are applied and the sender can see the result. If the sender wants to re-record they can repeat the process. Finally, when the sender is happy with the video, they submit it to the receiver.

* Receiver (Ex. Doctor)

The receiver logins in and chooses a contact they wish to receive a video from. The receiver can add a contact by searching for the respective username. They create a new video request with the needed criteria. Once the sender has submitted the video, the receiver can view it. If the sender has set a time limit, the receiver can request for extra time if needed. As well, the receiver can request to save the video for record.

## 2 Major Milestones

| Deadline | Deliverable |
| --- | --- |
| Term 1 week 9: Mini Presentation | * User create/login (page and functional login)   + User information page * Home page |
| Term 1 week 13: Design submission | * Learn new skills * Home page * Login page * User Profile page * Sending page (Create video) * Receiving page (View video) * Request page (setting criteria) * Notification page * Contact adding page * Admin page * Setting page * (UML) Diagrams for features and functions |
| Term 2 week 4: Peer Testing | * Learn new skills * Edit profile * Login/Profile/Video database (local -> cloud) and Docker * Settings * Admin * Notifications * Accept/reject contact application * Request video (from Sender) * Blurring the face * Blurring the background |
| Term 2 week 8: Peer Testing | * Learn new skills * Bug fixing & Documentation * Create Video * Choose options * View Video (Sender & Receiver) * Encrypt name, birthdate, age * Deleting Videos * View date/time/hour limit * Accept/reject request for accessing personal information * Add contact |
| Term 2 week 13: Final project submission | * Learn new skills * Bug fixing & Documentation * Request personal information * Request for video to be saved as a record * Request extension of viewing * Delete account - confirmation |

## 3 Technology Stack

* Django
  + It is one of the most popular backend frameworks that works with python. Also, Django is free and open source.
* AWS services
  + It is part of the clients’ requirement
* Python
  + Python is the language that we feel like would fit us the most due to its flexibility to work with all kinds of APIs and have one of the widest support across the globe
* HTML
  + The widest used markdown language for frontend development.
* CSS (bootstrap)
  + CSS (Cascading Style Sheets) should be used for web development to separate the presentation and layout of a website from its content.

## 4 Teamwork Distribution and Anticipated Hurdles

| Category | Ethan Hsu | Beth Ralston | Herman Sood | Adrian Fong | Sitt Hmue Paing |
| --- | --- | --- | --- | --- | --- |
| Experience | Made some projects with python. Have worked with HTML css php. Never touched AWS. | COSC 304 HTML and CSS experience, github | Some experience with HTML and CSS, also some minor python experience | Had some experience on python, HTML, CSS, PHP in project. | Some experience with Python, Average for HTML, CSS and PHP |
| Good At | Python projects. Project management. Github. | Problem solving, organization, | Very strong communicator, and have a willingness to continue to learn and grasp new concepts. Good with Github. | Solving problems, fixing errors, giving feature ideas, designing structors. | Slow learner but willing to learn new things, Good at giving ideas, Good communicator. |
| Expect to  Learn | More HTML css. Anything that can be used with AWS. Database constructing. Docker environment setup. | AWS, python, and team communication skills. | I expect to learn a lot about AWS services, php, and any of the rest of the tech stack content as there is always something new to learn and improve on. | Expect to learn how to use AWS, and improve my python, HTML, CSS, PHP skills. | Learn more about AWS services, enhancing the programming skills and knowledge. Learn the importance of teamwork and why communication is essential when doing a big project. |

| Category of Work/Features | Ethan Hsu | Beth Ralston | Herman Sood | Adrian Fong | Sitt Hmue Paing |
| --- | --- | --- | --- | --- | --- |
| Project Management: Trello  Maintenance | ✓ | ✓ | ✓ | ✓ | ✓ |
| Technical Direction: Time Estimation, Making Programming Choices | ✓ |  |  | ✓ | ✓ |
| Technical Help: Finding Technical Solutions | ✓ | ✓ | ✓ | ✓ | ✓ |
| Troubleshooting: The Go-To  When Others Are Stuck | ✓ | ✓ | ✓ | ✓ | ✓ |
| System Architecture Design | ✓ | ✓ | ✓ | ✓ | ✓ |
| User Interface Design | ✓ | ✓ | ✓ | ✓ | ✓ |
| CSS Development | ✓ | ✓ | ✓ | ✓ | ✓ |
| Login |  |  | ✓ | ✓ | ✓ |
| Create account |  |  |  | ✓ | ✓ |
| Home page | ✓ | ✓ |  |  | ✓ |
| Edit profile |  |  |  |  | ✓ |
| Docker | ✓ | ✓ |  |  |  |
| Settings |  |  |  |  | ✓ |
| Admin |  |  |  | ✓ |  |
| Notifications |  |  | ✓ |  |  |
| Database Setup | ✓ | ✓ |  |  |  |
| Accept/reject contact application |  |  | ✓ |  |  |
| Request video (from Sender) |  |  |  | ✓ |  |
| Create Video |  |  |  | ✓ |  |
| Choose options |  |  |  | ✓ |  |
| Blurring the face | ✓ |  |  |  |  |
| View Video (Sender) |  |  | ✓ |  |  |
| Bug fixing | ✓ | ✓ | ✓ | ✓ | ✓ |
| Documentation | ✓ | ✓ | ✓ | ✓ | ✓ |
| Learning new skills | ✓ | ✓ | ✓ | ✓ | ✓ |
| Encrypt name, birthdate, age |  |  | ✓ |  |  |
| Blurring the background | ✓ |  |  |  |  |
| Deleting Videos |  | ✓ |  |  |  |
| View date/time/hour limit |  |  |  |  | ✓ |
| Accept/reject request for accessing personal information |  | ✓ |  |  |  |
| Add contact |  |  |  |  | ✓ |
| View Video (Receiver) |  |  | ✓ |  |  |
| Request personal information |  | ✓ |  |  |  |
| Request for video to be saved as a record |  |  |  |  | ✓ |
| Request extension of viewing |  |  |  | ✓ |  |
| Delete account - confirmation | ✓ |  |  |  |  |
| Presentation Preparation |  |  |  | ✓ | ✓ |
| Design Video Creation (Demo video) |  | ✓ |  | ✓ |  |
| Design Video Editing | ✓ |  |  | ✓ |  |
| Design Report |  |  | ✓ |  | ✓ |
| Final Video Creation |  | ✓ |  |  |  |
| Final Video Editing | ✓ |  |  |  |  |
| Final Team Report | ✓ | ✓ | ✓ | ✓ | ✓ |
| Final Individual Report | ✓ | ✓ | ✓ | ✓ | ✓ |

Table 3:

We separated the work like this in order to make sure that everyone has something to do and the work is distributed evenly. For the first 10 features, docker and databases are linked together, and everyone else chooses two to be responsible on their own. For the second 10 and the last 5. We tried to link everyone so that their responsibility is connected to the other stuff they have already done.