

MILESTONE 3

LingoMingo

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History Table

Milestones/Version	Date
M3 V2	05/09/20
M3 V1	04/23/2020
M2 V2	04/09/2020
M2 V1	03/26/2020
M1 V2	03/09/2020
M1 V1	03/05/2020

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1. Data Definitions V3

1. **Unregistered User:** These are users that have not registered an account yet. They will not have much privilege within our website. They will be able to see the created account page of LingoMingo only.
2. **Registered User:** A client or Premium client who is registered within the database with proper information and necessary documentations and has access to different functionality depending on their privilege within the application.
 - a. **Free:** A registered user who has free access to all the site's features. They will see ads on their dashboard.
 - b. **Premium:** A registered user who has access to all the sites features. Ads no longer are displayed on the registered user's UI.
3. **Match:** Users will have matches with other users. They will be matched based on language commonalities. Matches will be displayed in swiping format on a dashboard. Users can swipe right for matching with a matched user and left for unmatching with a user.
4. **Chat:** When a user has matched with another user they have the option to create a chat with that person
 - a. **Text:** Text chat box where the users can converse to practice written language.
 - b. **Voice:** Voice chat to practice spoken language without camera.
 - c. **Video chat:** Both voice and video chat to practice spoken language.
5. **Profile:** This will be where Users talk about their interests and hobbies to let other users know a little bit more to get to know them. Parts of the profile can be private including age, location, and gender.

6. **Post:** People can post status comments or pictures on their account.
7. **Language:** In order to communicate with another user, the users need to know one language in common. We will set English as a common language.
8. **Message:** One user can send a voice or text message to the other user once they are friends.
9. **Chat rooms:** Page where users can interact with other users. Many users can be in one room.
10. **Notifications:** Display or notify the latest activities related to the LingoMingo.
11. **Host:** Registered users can create public or private chat rooms.
12. **Support:** A tab to solve the user's issues and answer their queries.
13. **Report:**
 - a. **User:** User writing a report to send to an admin about another user if any misconduct or policy violation happened during chat conversations or private messaging.
 - b. **Post:** User writing a report to send to an admin about a post on another user's profile page that is inappropriate or violates policies.

2. Functional Requirements V3

Unregistered User

Priority 1:

1. Unregistered users shall be able to sign up to account
 - 1.1 Unregistered users shall enter a name.
 - 1.2 Unregistered users shall enter date of birth.
 - 1.3 Unregistered users shall enter a username.
 - 1.4 Unregistered users shall enter a password.
 - 1.5 Unregistered users shall confirm a password.
 - 1.6 Unregistered users shall enter an email.
 - 1.7 Unregistered users should enter a location.

Registered-User

Priority 1:

2. Registered users shall be able to log in to account.
 - 2.1 Registered users shall enter an email or an username.
 - 2.2 Registered users shall enter a password.
 - 2.3 Registered users shall be able to reset password, if forgotten.
3. Registered users shall be able to log out to account.

3.1 Registered users have to be logged in before being able to log out.

5. Registered users shall be able to submit data.

5.1 Registered users shall be able to submit images in the chat.

5.2 Registered users shall be able to submit text in the chat.

5.3 Registered users shall be able to make new posts.

5.4 Registered users shall be able to edit posts.

5.5 Registered users shall be able to delete posts.

5.6 Registered users shall be able to post unlimited.

7. Registered users shall be able to delete the account.

7.1 Register user's profile shall also be deleted.

7.2 Register users shall be able to temporarily deactivate accounts.

7.3 Register user shall be able to reactive account.

10. Registered users shall be able to make changes in setting.

10.1 Registered users shall be able to delete their account from the settings.

10.3 Registered users shall be able to change their password.

14. Registered users shall be able to choose a primary language.

14.1 Registered users shall choose from a list of available languages on LingoMingo.

14.2 Registered users shall be able to choose more than one primary language.

14.3 Registered users shall be able to update the language they want to teach

16. Registered users shall be able to choose a language to learn.

16.1 Registered users shall be able to change the language they want to learn.

16.2 Registered users shall choose from a list of available languages on LingoMingo.

26. Registered users shall be able to match with another registered user.

26.1 Registered users shall match based on: primary language, language to learn

26.2 Registered users shall be able to unmatched with another registered user.

26.3 Registered users shall be able to match with multiple registered users.

4. Registered users shall be able to access and edit a profile.

4.1 Registered users shall be able to enter a new name while editing.

4.2 Registered users shall be able to choose a profile icon.

4.3 Registered users shall be able to update profile icons.

4.4 Registered users shall be able to update their country.

4.5 Registered users shall be able to update profile posts.

68. Registered users shall be able to ask for the help.

68.1 Registered users shall be able to ask help with the support team.

68.2 Registered users shall be able to email support teams.

28. Registered users shall be able to add another user as a friend.

28.1 Registered users shall be able to unfriend.

28.3 Registered users shall be able to create a chat with a friend user.

28.4 Registered users shall be able to add additional specifications to matching, such as dialect.

28.5 Registered users shall be able to look at friends' profiles.

24. Registered users shall be able to write a bio

24.1 Bio shall be displayed in user's profile

24.2 Registered users shall be able to update their bio

24.3 Registered users default bio shall be empty.

30. Registered users shall be able to choose icons for display

30.1 Registered users' icon shall appear on their profile.

30.2 Registered users shall be able change to a different icon.

32. Registered users shall be able to learn multiple languages.

32.1 Registered users shall be able to learn more than one language.

32.2 Registered users shall be able to teach language to others.

Priority 2:

28. Registered users shall be able to make comments on other friend's posts.

34. Registered users shall be able to choose the methods for communication

34.1 Registered users shall be able to communicate via text.

34.2 Registered users should be able to communicate via voice.

34.3 Registered users should be able to communicate via video call.

56. Registered users shall be able to make the group chat.

56.1 Registered users shall be able to add people in group chat.

56.2 Registered users shall be able to make video chat in a group.

56.3 Registered users shall be able to make voice chat in a group.

56.4 Registered users shall be able to see all the activity in a group chat.

56.5 Registered users shall be able to mute the chat.

56.6 Registered users shall be able to remove people from group chat.

56.7 Registered users shall be able to choose whom to chat with.

56.8 Registered users shall be able to decline the group chat request.

56.9 Registered users shall be able to turn on the notification in group chat.

66. Registered users shall be able to upgrade their account.

66.1 Registered users shall be able to upgrade their account to premium to skip the ads.

66.2 Registered users shall be able to stay in basic membership which comes with the ads.

40. Registered users shall be able to report an account.

Priority 3:

28. Registered users shall be able to block a friend.

18. Registered users shall be able to change their skill levels.

18.1 Registered users shall be able to change their skill levels.

18.2 Registered users shall be able to set their skills level

42. Registered users shall be able to manage the match users.

42.1 Registered users shall be able to skip through the match.

42.2 Registered users shall be able to unmatch with the matched users.

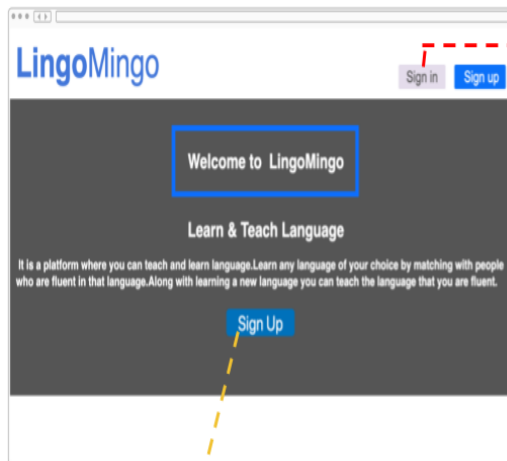
42.3 Registered users shall be able to check if the matched user is a real or bot.

37. Registered users shall be able to rate.

37.1 Registered users shall be able to rate other users.

37.2 Registered users shall be able to rate the apps.

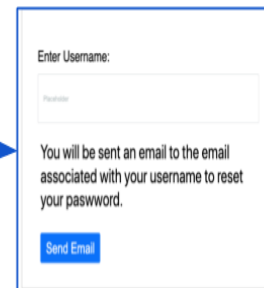
3. Wireframes Based on your Mockups/Storyboards V2 (detailed)



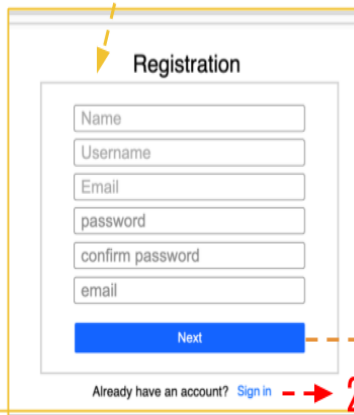
Welcome Page: This is the first page any user will see if they don't have an account, or are not logged into an account. They can either choose to sign in or sign up.



Sign In Page: This is what a user sees once they click on sign in from the welcome page. They write their username and password and proceed to our homepage. If they forgot their password they can click on the link which will take them to the following page. If they don't have an account, they have the option of signing up.



Forgotten Password: This is what they see when they forget their password. They enter their username/email which will send them a link to reset their password.



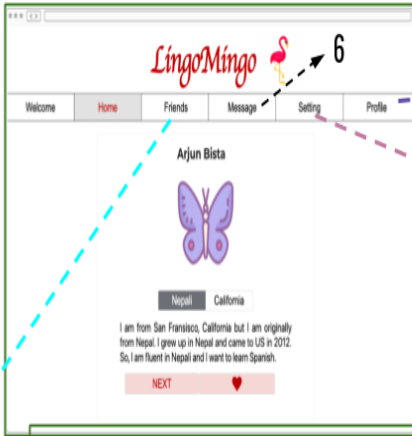
Register: This is what the user will see when they try to sign up for an account. They need a name, email and password or they have the option to sign in if they already possess an account. We will ask user to accept terms and conditions. We will also show the requirements for a password



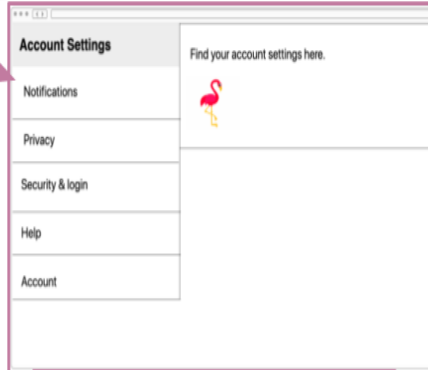
Register2: This is a continuous page of the registration page where they must choose the language of their choice that they would like to teach and learn. They also have the option to fix up their profiles with information about themselves.



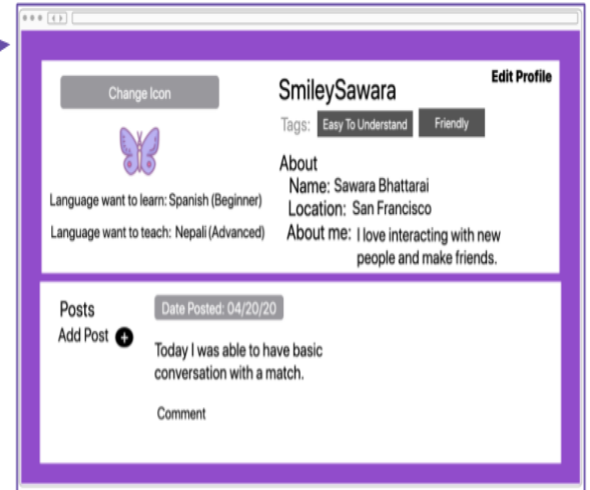
Homepage: This is the homepage of our website after you sign in or register. This is the page a user sees when they want to meet other users after they are already registered. They can either choose to match with them or click next to see the next person they can match with.



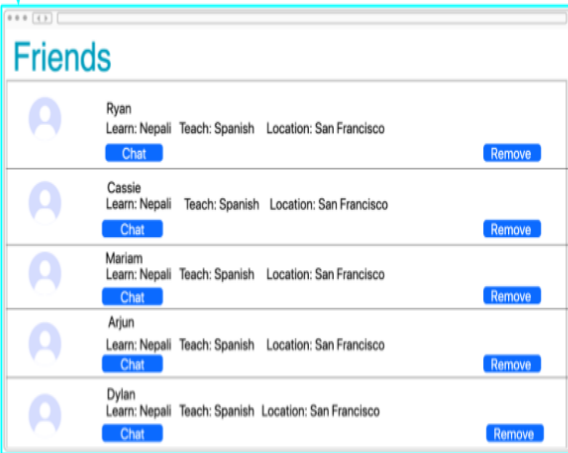
Homepage: This is the homepage of our website after you sign in or register. This is the page a user sees when they want to meet other users after they are already registered. They can either choose to match with them or click next to see the next person they can match with. When you choose the heart, their profile shows up in your friends and if you click next the profile is removed from your view.



Settings: This is the setting page where users can make changes in their account. They can make changes like security of their page, privacy policy as well as if they need any help, users can contact the support team on this page using help.

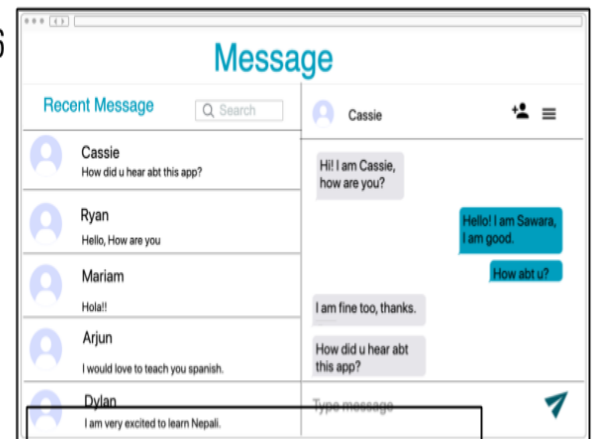


Profile: This is what a user's profile page will look like. They can add posts and change their icon as they please.



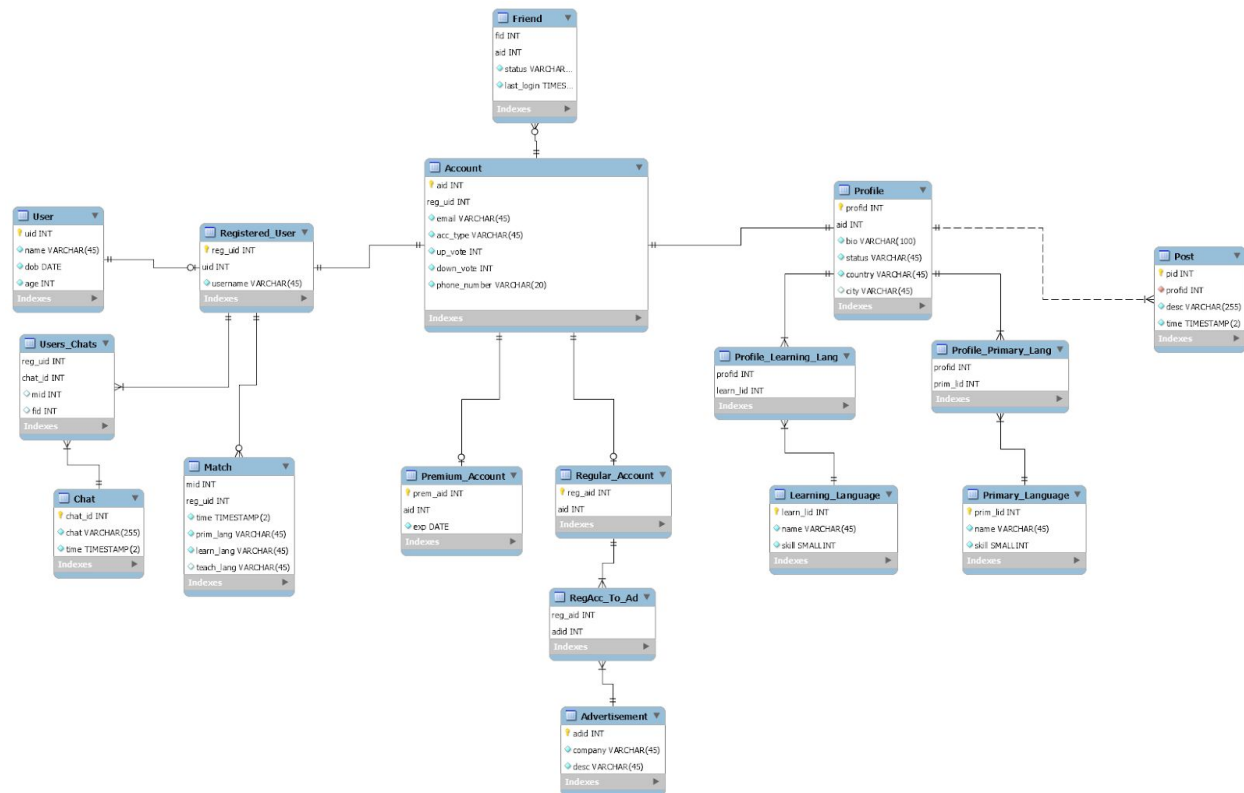
Friends: This page shows the friend list of a user. After getting a match, the user can add the other matched user as their friend and this page is to see all the friends. They can also click on the chat button to go to the message page to text their friend from this page whereas the remove button is for the user to remove the other users as their friend.

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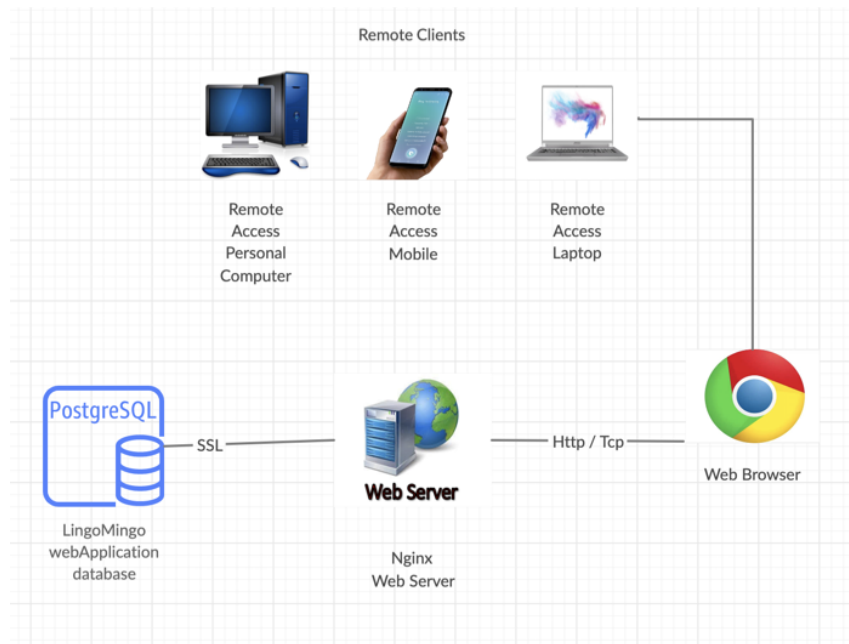
Messages: This page shows the messages. Once users are matched they can message each other to learn and teach the language. This page is for users to contact and learn or teach the language.

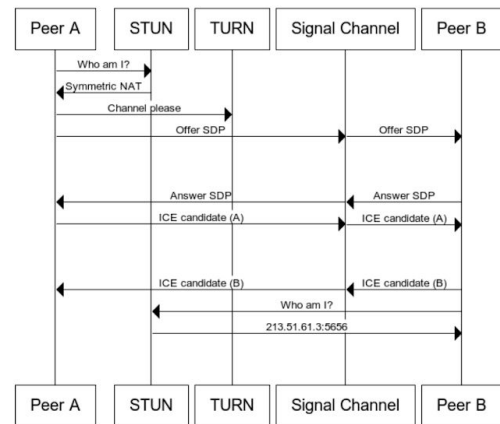
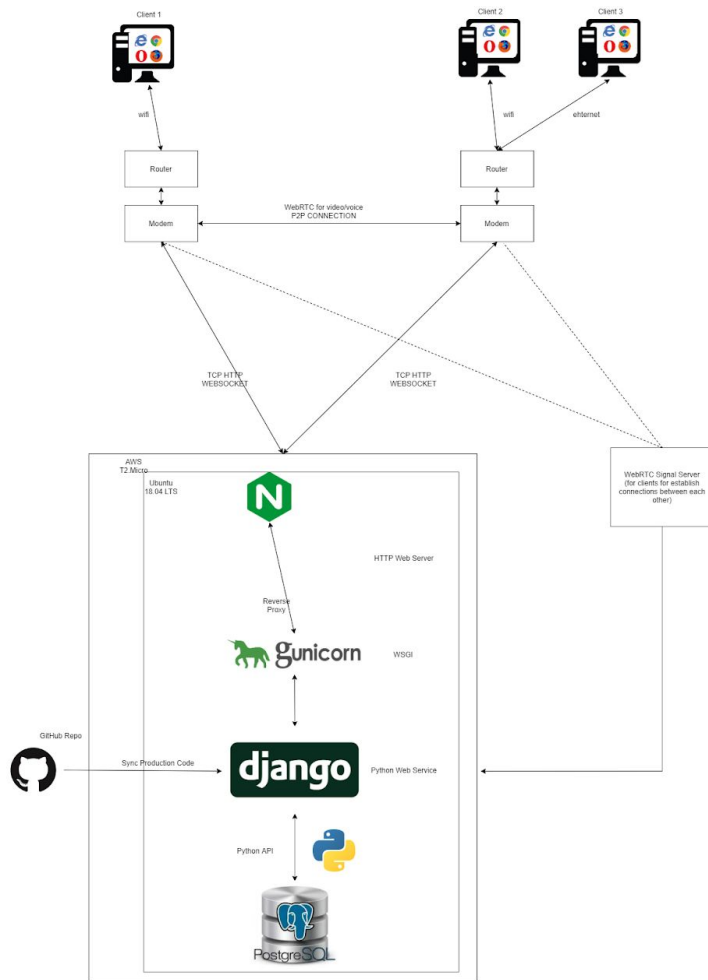
4. High level database architecture and organization V2



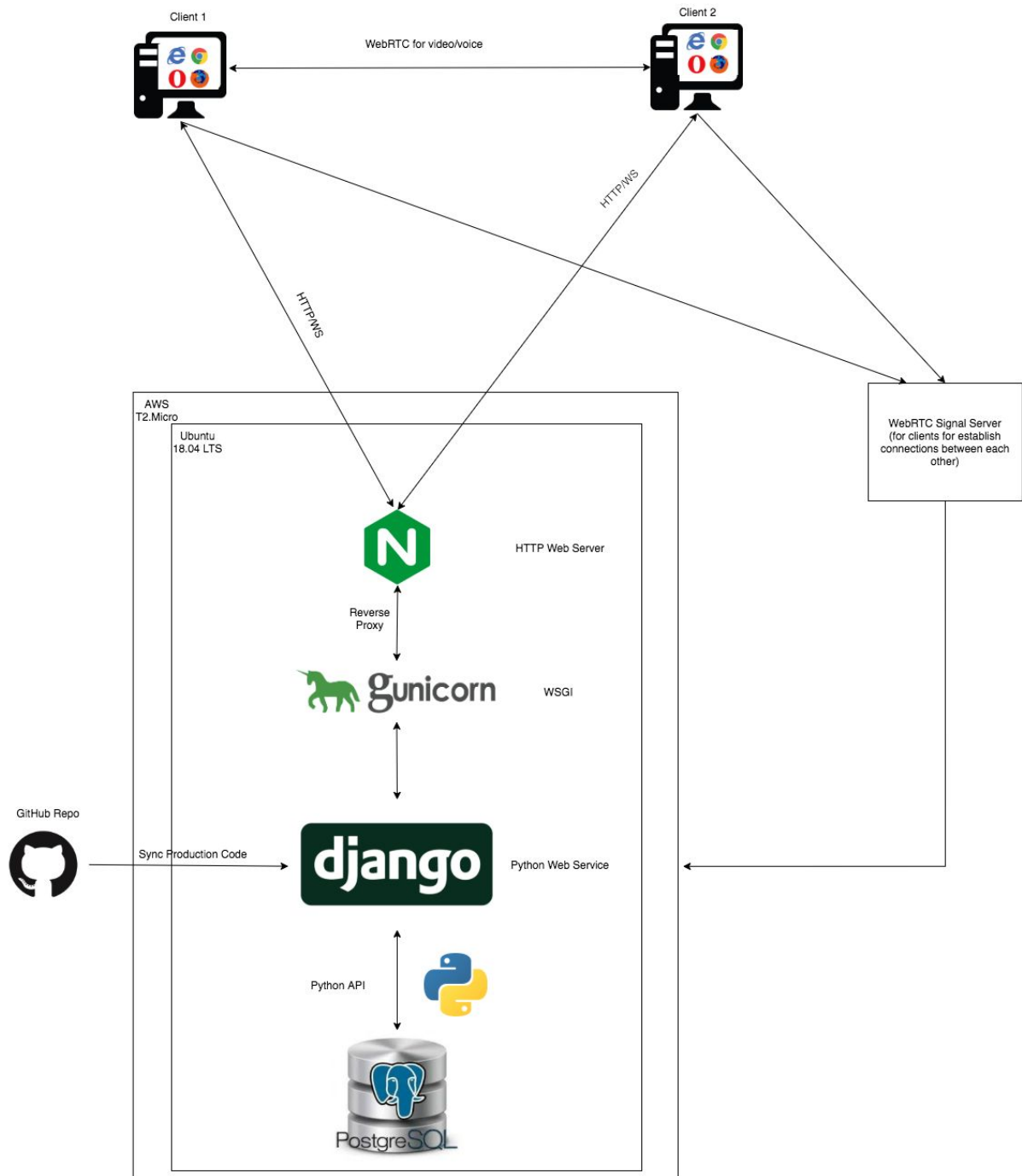
5. High Level Diagrams V2 (detailed)

Application Network Diagram





Deployment Diagram



UML Diagram

