MouthPiece

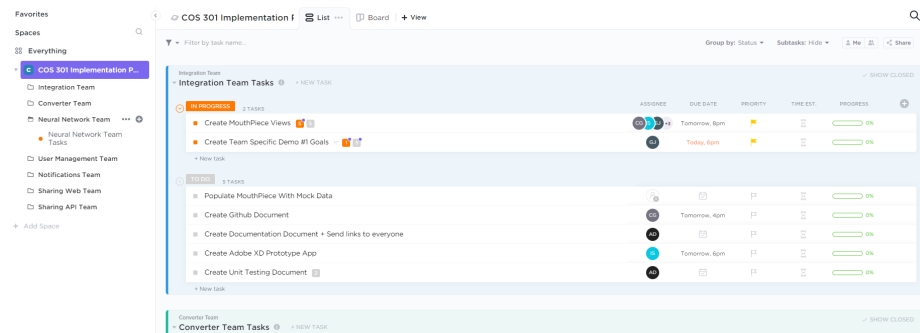COS301 Team Gamma: Integration Team Goals

March 2020

1 Introduction

This document describes the responsibilities and all deliverables for the Integration Team.

Demo #1 Due Date: Thursday 12 March 20:00

2 Organisation

2.1 ClickUP

You need to elect a team leader if you have not done so already. Work together with this member to create tasks and sub-tasks for each member in your team on `http://clickup.com` (on the COS301 workspace you have been invited to).

Ensure that you indicate progress and mark tasks as complete. This page will be displayed at the demo.

2.2 Slack

Although we have created a WhatsApp group - we do still find it easier for in-group discusions to happen on the slack channels. Simply login to `http://cos-301.slack.com`

3 Overall Team Tasks

These are the tasks to be done by your team for the final product (not specifically Friday's demo).

- Android app (in Flutter)

- Register user

- Login user

- Update user preferences

- List available mouth packages

- Search available mouth packages

- Download mouth packages to device storage

The tasks are always subject to change, but we have tried our utmost best to sketch out the entire project ahead.

4 Team Tasks for Friday

4.1 Documentation

All documentation to be created in Overleaf

4.1.1 System Plan

Implement and explain how the entire team Gamma will function together including:

- Project management system (ClickUP)

- Collaborative communication platform (Slack)

- Decide on the technologies and deployment of the entire system

- Setup documents for each individual team explaining their tasks

4.1.2 Frameworks

You are required to do some research on frameworks that you could implement to assist your **Overall Team Tasks**. Write a short report on only the frameworks that you are keen to implement. Show its benefits and how you can implement it with the existing technologies.

Some examples

- https://flutter.dev/

- https://pub.dev/packages/http

4.2 Development Environment

You are required to setup the development environment (have it running on at least one member's device, ready to demo). Setup everything you think you require.

At bear minimum

- Android Studio

- Visual Studio Code

- Flutter

  This is required for your implementation in any case.

4.3   Implementation

You are required to design and implement each view of the Android app in Flutter.

These views include:

- Choose Listening Mode

- Login and Registration

- Select Mouth

- Voice Training Start Listening

- Profile

- Listening Mode Activated

- Home Collection of Mouth Packs Search

The views will be demoed live.

4.3.1   Unit Testing

Describe how your team will implement unit testing. Better yet - implement it in the Demo where possible.