Department of Computer Science
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COS301 - Software Engineering

Coviduous

Installation Manual

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Contents

1   Introduction

Coviduous is an app that companies and their employees can use to facilitate office space bookings during the COVID-19 pandemic. The app is divided into two distinct subsystems, related to the two different types of customers mentioned before. The **User** subsystem is how employees will interact with the app. They have the option to view available office spaces, book an office space, view their current bookings, view announcements that are made by their companies, view notifications sent to them, and manage their COVID-related health documentation. The **Admin** subsystem is how employers will interact with the app. They have the option to manage floor plans, manage employee shifts, manage company-wide announcements, send notifications to employees, and view reports based on their company's statistics.

The following section details how to install the app in its current state.

2   Installation

To install the app on Android, first download the repository from GitHub onto your local machine:

- In a web browser, go to https://github.com/COS301-SE-2021/Coviduous, click on the green "Code" button, and then "Download ZIP". (See figures 1 and 2)

- Extract the .zip archive to a new folder anywhere on your computer.

- Open the command prompt and change the directory to the folder where you unzipped the archive. For example, the current directory should now be:
  "C:/Users/[current user]/Downloads/Coviduous-master". (See figure 3)

- Change the directory again to the "/frontend" subfolder. (See figure 4)

To generate a .apk (runnable app) file from the code, run "flutter build apk –release" from the command line while inside the "/frontend" subfolder. Once it completes, there will now be an "app-release.apk" file in "/frontend/build/app/outputs/flutter-apk". Transfer this file to your phone and install it. (See figures 5 and 6)
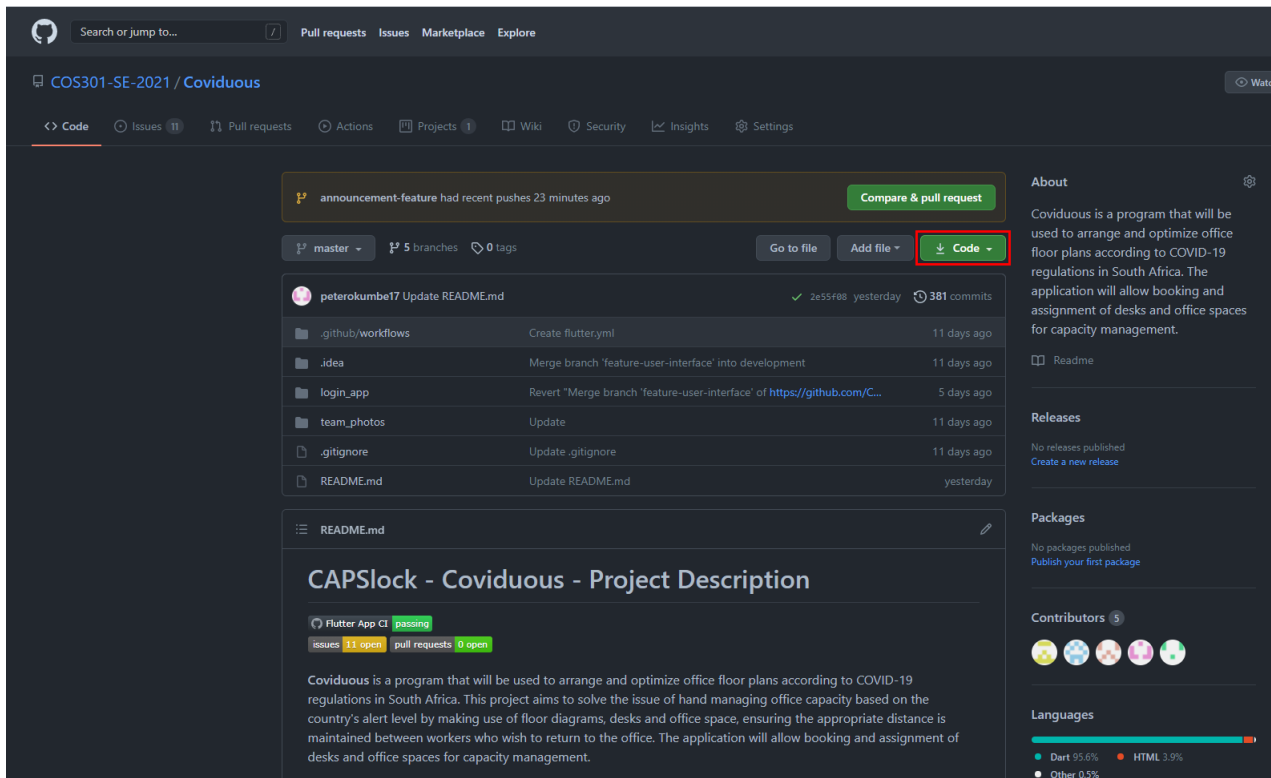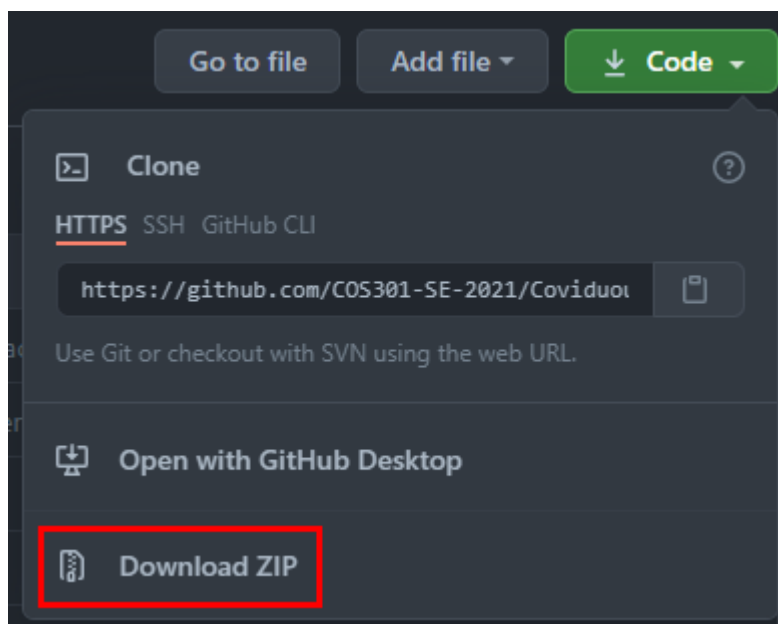
Figure 1: Coviduous GitHub repository

Figure 2: Download button

Figure 3: Command prompt, in main directory

Figure 4: Command prompt, in login_app directory

Figure 5: Compiling the app

Figure 6: Output .apk file