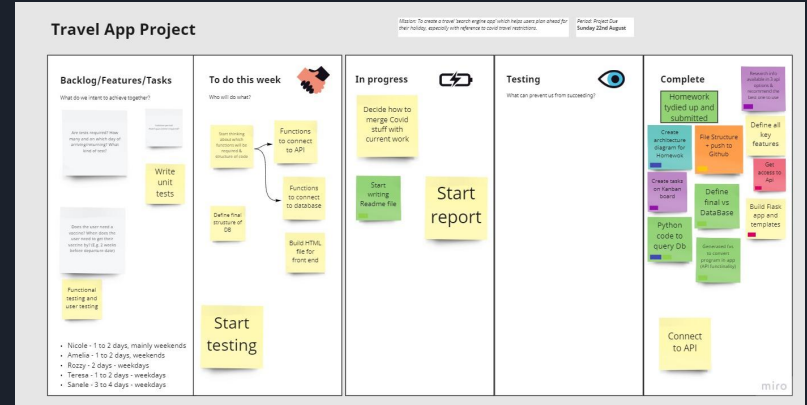# Travel App

Group 4

Background and Context

TravelApp is an application developed to help the user better plan their summer holiday with COVID restrictions and weather-dependent packing in mind. The main functionalities are as follows:

1. **Weather -** Users can specify which summer months (June, July, August or September) they would like to travel in and which of the top 8 European holiday destinations they would like to travel to along with their expected weather.

2. **Packing List -** The app allows the user to generate a packing list of up to ten personal items will be stored in a personal 'reminder list'. The app will also return a list of essential suggested items for the user to bring on their holidays (according to the expected weather of selected destination)

3. **COVID-19 Restrictions -** Finally the app retrieves current Covid-19 travel restrictions including testing policies, internal travel restrictions, restrictions on gatherings and contact tracing for the destination they plan to travel to.

Project plan and delivery

We decided to use an agile delivery approach separated into 4 weekly sprints. With defined goals at the end of each:

- Week 1: Planning
- Week 2: Development (API + Database)
- Week 3: Development (Features)
- Week 4: Testing & Documentation

To plan our works, we used a Kanban board to show the progress of each of our activities. To catch-up on progress we would have one or two calls scheduled each week.

We also specified each of our time commitments to this project based on outside commitments in the beginning of this project

The App

USER JOURNEY

User Input: Travel Month → **App:** Weather of Top 8 Travel Destinations → **User Input:** Travel Destination → **User Input:** Generate packing list → **App:** Show packing list → **App:** Show packing list recommendations → **App:** Show relevant COVID restrictions

BACKEND

User input of travel month queries the database to output weather and list of top 8 countries

User input of packing list is stored in the database and shown to the user

Weather output is used to query recommended packing list

Destination input is mapped to airport names and used to query Travel Advice API to output relevant travel restrictions