NOVA NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

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Trippin'

Stage 4: Functional prototype

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Our app and the tools used

Our app, Trippin, is a simple application meant for users to record and keep a catalog of the trips they went on and the memories they created. Trippin enables users to display various events they participated in during a trip and to upload key media they felt represented such a memory. The app allows you to view the various events inside a trip both in a calendar view and also in a map view. We developed the app in Kotlin through Android Studio as it is meant to run on Android devices.

URL for the Prototype

https://ipm2425trippin.github.io/stage4.html

Startup instructions

Download this file and install it on your Android phone. After the installation you'll see an app with the name "Trippin" and the logo present on the first page of this report. Next, start the app and start exploring. (For more detailed instructions or an overview of the previous work done visit the prototype URL)

Briefing

In Stage 3 we provided the following briefing to the users, which also applies to this project phase.

"Trippin is an application aimed at helping you keep track of your trips and easily look back on them. The app offers a timeline with all the events you went through as well as their locations and any pictures, notes, or audio that you might want to associate with it. This timeline is then easily accessible by you and allows you to relive the memories you made during the trip."

Scenarios

Scenario 1

You and your friends have just started a trip to Porto Santo and you have some pictures you'd like to store. These were taken at Ponta do Passo on July 20th. You register the trip and upload your images to their corresponding location.

Scenario 2

You just finished a trip to Pico Island and recorded it using the application. However, your friend sent you more pictures that they took and you'd like to add. You add these pictures to the trip already present and then exit. Another friend sends you a review they left of the pico mountain and you decide to add this review to the trip.

Friend's note: "The wind was crazy and I managed to see the clouds beneath me!"

Scenario 3

You're about to go on a trip, and you'd like to record it so you register it in the application. Afterwards, you plan out the locations you'll be visiting. In total, you plan to visit three separate locations on the S. Miguel island - Farol da Ferraria, the natural pool ruins, and Miradouro da Vigia das Baleias das Feteiras. The days you'll visit these locations are July 18th, July 19th, and July 20th of 2024, respectively.

First Location - Sam's Recipe

When visiting the first location, you met someone named Sam, she gave you a recipe for a cake that you'd like to try, so you note it down:

STEP 1
Heat the oven to 180C/160C fan/gas 4. Butter a 30 x 20cm deep baking dish.

STEP 2
Put the butter and 250g caster sugar in a bowl and beat for 5 minutes until pale and fluffy. Whisk in the eggs, then sieve over the flour and baking powder and fold in until you have a batter. Stir in the lemon zest, reserving a little for decoration.

STEP 3
Spoon the sponge batter into the dish and smooth over the top.

STEP 4
Mix the lemon juice with the cornflour in a heatproof bowl to make a smooth paste. Mix the remaining 130g caster sugar with 300ml boiling water in a jug, pour over the cornflour mix and whisk until smooth. Pour this over the sponge. Bake for 45-50 mins until golden and set, and the sponge springs back when touched.

STEP 5
While the pudding is baking, make the lemon drizzle. Mix the icing sugar with enough lemon juice (about half of it) to create a loose consistency. Drizzle over the sponge while it's still warm and decorate with the reserved lemon zest. Serve straight away with cream or custard.

Second Location - Bird Sounds

In the second location, you hear a very curious bird, but can't identify it instantly, so you record a video of it and put it in the app so you can later search for it.

URL for the project

Here you can find the repository for the project that was used throughout development.

Non-Functional Parts

- Settings options in the sidebar. Currently, the settings options do not allow you to change anything about the application as we did not set anything that would be "Settings worthy".
- When creating/editing an event you can not upload audio to the given event. You can upload pictures, videos and write notes.
- The search bar functionality on the top of both the "Trips" page and when inside a given trip currently does not allow you to search for a query. You can use it and write with it but no feedback is given.
- The application only works when in vertical mode (The preferential way to use the application). When you turn the phone horizontally it creates layout problems and many more.