Interacção Pessoa-Máquina

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Janus

Stage 4: Computer Prototype

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Startup Instructions

We developed and Android app, the APK is available for download in this link https://drive.google.com/file/d/1A9Z2z9TO9deqytvgxmBFeCL2zsuJAgg4/view?usp=sharing , only runs on smartphones that have Android Version 6.0 or above.

To be able to install apps that are not from the Play Store, you may need to enable *Developer Mode* on your phone, it is different for every phone so if you don't know how to do this we suggest you search Google.

Briefing

Our goal is to help students that have doubts about what they want to choose for college and also help 9th grade students what to choose in their school (science, art, economy, …).

We want to do this because it's a real life problem that we would like to be fixed, there's a lot of information but it's not easy to access and can be really confusing when you do not know how to face it. By changing that, we can be the number 1 app when students want to know what to study and which path to follow in their future.

Another big goal for us is to make it simple for them to understand what the courses require by explaining them in a simple and interactive way.

If our users have doubts about what to study or be in the future, the app will provide simple test to guide them to the best courses, depending on the answers they give.

Our purpose is to help all kinds of students feel more secure about their choice and to make the information accessible to all in a simpler way.

Scenarios

Scenario 1:

Janus purpose is to help students decide what course to choose when the time comes.

Imagine you are at the beginning of the 3rd period of the 12th grade and is undecided as to which course to take in college.

For this scenario purposes let's suppose you like math and science and you are interested in being a mathematic.

Notice also that you live near FCT college and that is your primary choice.

The goal is to see all details of a mathematic course in FCT.

Scenario 2:

Nova University intends to make its services widely known in order to be able to fill the largest number of vacancies for the next academic year. Looking forward to it, they came across with the Janus application. Once the application is available, NOVA user enters the "university" area where they can promote their services by presenting their formative offer in several areas of knowledge, with their appropriate subjects, annual fees and more information related to them. This year Nova University opened one more Master degree, aerospace engineering, and it intends to reach as many students as possible for the vacancies available by introducing it to the Janus database, thus allowing the future application users to find it and possibly reach their goals.

Scenario 3:

Janus, as an information system it helps students choose a career path providing adequate information about a broad variety of professions. Initially the information displayed is very abstract and it can get more specific with every step within the app.

John Doe has already decided to follow his father footsteps and go to FCT a Nova University campus to study Computer science and engineering, so he used the app to know a little more about the degree, wanting to know how many vacancies are available and the minimal grade to apply.

URL of the project

Repository URL: https://github.com/dscpereira/Janus

Incomplete Aspects:

Since we're following the scenarios some functionality may be not implemented but it may appear as a placeholder for esthetic reasons, e.g., the cardview for LISBON UNIVERSITY it is shown in the app but that is as far as we go with it, implementation in not deepened.

And we assume, for simplification reasons, that the Nova University has its login done, and it can change the app mode, from University to Student and vice-versa whenever he (the Nova University user) wants, that's why we didn't implement the login functionality.

Summarising, we also have in our application some functionalities that are not implemented in all his instances because we already have implemented in other parts, for examples, when we put on the screen a list of courses we do not have a deeper detail in all of them but just an instance.

Tools Used:

Android Studio