Carris

Stage 4: Computer Prototype

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Problem

Carris.pt is a website with public transportation informations in Lisbon, like timetables, network map and route simulator. Unfortunately this website is not too user friendly, most informations are unclear and unintuitive. User can search only for line number and area number.

Project main goal is to create new GUI for searching public transportation from points A to B. Next main goal is to display bus lines with more informations that helps user to search bus number more easier and faster.

Startup Instructions:

Platform & Requirements
The basic platform for Carris.pt is a PC (with at least amount of RAM to run internet browser of any kind). Specifically an internet website / web application, which is supported by newest Internet browsers like Mozilla Firefox, Microsoft Edge or Google Chrome. Although the technology stack used, should enable to view it on mobile phone's internet browser, it is not build with that in mind.

To start using Carris.pt web app firstly we have to run our browser. Then we have to type the address for the app, but as free hosting has it's limitations the generated uri is very long, so it's easier to click this link: Carris.pt Then it's ready to use.

***If page does not load, refresh it.

Briefing

Carris.pt is public transportation web application where you can plan your journey from point A to point B or search for schedules and route map of lines. There is also possibility to check transportation means which are on specific stop.

Tasks and scenarios
1.
2. User looks for the fastest way from the FCT to the Cais do Sodré around 10:20 am. He doesn't know which lines should he take to get there.

   ● In this scenario user has to search for route from Universidade to Cais do Sodre and open route detail to get information about departure/arrival time, etc.

3. User looks for schedule of bus number 112 from Universidade bus stop.

●   Second scenario is focusing on searching for specific timetable for bus no. 112. User has to switch to "schedules" module, search for specific the bus number and open timetable.

4. User lives near Universidade area and he wants to checks nearby tram and bus stops along with all lines which use them.

●   Last scenario is similar to second one. But instead of searching for specific bus number, user has to search for specific stop and look for lines going through this stop.

Technology Stack:

While developing Carris.pt web application different set of tools and technologies were used to assure its current functionality. Below is the listing of those technologies:

- React
- Node.js
- Bootstrap
- Javascript
- HTML 5
- Google maps

Incomplete functionalities:
- Google map markers

Project URL:
https://github.com/holkiew/IPM