Proprietors Assembly / Hausversammlung

Final Year Project

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Introduction

Mobile Computing has become a big part in our modern lifes. As handeld devices are becoming increasingly powerful and loaded with features like GPS, Cameras and other sensors it seems natural that new kinds of applications for different use-cases emerge. As a courswork assignment an ISS-Watcher application is to be developed.

The goals of the application are stated as:

1. Provide some interesting data about ISS with at least some being live (e.g. current position—possibly drawn on a map, and number of astronauts currently onboard ISS)
2. Ability for the user to add their observations of the ISS to a database—for each entry you need to include a timestamp, coordinates (latitude and longitude) and a note (as plain text), optionally allow the user to attach one or more pictures
3. Ability to view the list of ISS observations in the database (with a way of removing and editing entries),
4. Ability to view the pass times as a list of entries with the next 5 times the ISS is visible from the present location and the duration of each pass.

This report introduces the reader to a wireframe version of the application and aims to explain the specific components the app is composed of. Additionally, UI/UX related reasons for implementing the app how it was are explored.

Chapter 1
Literature Review

1.1 History of Vue.js

1.2 How Vue compares to other frameworks

1.3 SEO for Single Page Applications

Chapter 2
Implementation

Chapter 3
Deploying the Stack

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