

SIT725

TASK 2.1P



2.1P Writing SRS document

Intro

In our lecture this week we will focus on the Software Requirements Specification (SRS), the software requirements specifications, which help us to develop our final product.

Task

Once you have completed viewing the lecture, please write down a SRS document for the following use case scenario:

“The rising adoption of electric vehicles necessitates an increased availability of charging stations. Therefore, the objective is to develop a business model for a web application named "Locate a Socket." This application aims to assist electric vehicle drivers in finding charging stations conveniently along their routes. Through location-based services, the Locate a Socket application enables drivers to locate, access, and make secure payments for EV charging.”

The SRS document should include the following requirements:

1. Introduction:
 - Overview of the software and its purpose.
 - Identification of the target audience.
2. Purpose:
 - Explanation of the primary objective of the software.
 - Clarification of the intended benefits for EV drivers.
3. Audience:
 - Description of the target users or stakeholders who will interact with the software.
4. Overall Description:
 - Comprehensive overview of the software's functionality and purpose.
 - Explanation of how the software is intended to operate.
5. External Interfaces:

- Description of the interfaces that the software will interact with, such as maps, payment gateways, or charging station APIs.
6. System Features:
 - Detailed list and description of the key features and functionalities the software will provide to the users.
 - This may include searching for charging stations, displaying real-time availability, providing directions, and facilitating secure payment transactions.
 7. Non-functional Requirements:
 - Specification of performance, security, reliability, and usability requirements.
 - This includes factors such as response time, system availability, data privacy, and user interface intuitiveness.
 8. Other Requirements:
 - Any additional requirements that are not covered in the previous sections but are essential for the successful development and deployment of the software.

By addressing these requirements in the SRS document, a comprehensive understanding of the software's purpose, functionality, and user expectations can be established.

Submissions details and Delivery

After completing your (SRS) document, please convert it to PDF format. Then, proceed to upload the PDF file on OnTrack for this specific task. Make sure to include reference list.
Page limitation: 3 with references.