

# SMART TRIP APPLICATION



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## Abstract

This project aims to develop a mobile app to address the challenge of finding clean and available restrooms on the road. The app will display restroom facilities, ratings, and user-provided information within a specified range. It aims to alleviate health and security concerns, as well as WC anxiety, which can affect sleep quality and cause a social phobia. This poster explores the importance of restroom apps, the chosen tools, prior work, and the use of popular mobile platforms, Android and iOS.

Keywords: Mobile Application, Google Maps, Facility

## Introduction

Smart Trip is a mobile app designed to enhance travel experiences by providing real-time and reliable location-based information about the nearest clean toilets. It delivers user ratings to inform about toilet quality, thus helping travelers navigate their trips more conveniently. It is constantly updated, ensuring that users have the most accurate data to meet their needs anytime, anywhere.

## Solution

Thanks to the Smart Trip application, users will be able to save time, see the information about the places they want to go, and add their own comments & ratings. Users will also be able to see the facilities near them, sort by the filtering features they want, and arrange a trip to the selected point. Smart Trip is a user-friendly application that offers both information mode and trip mode.

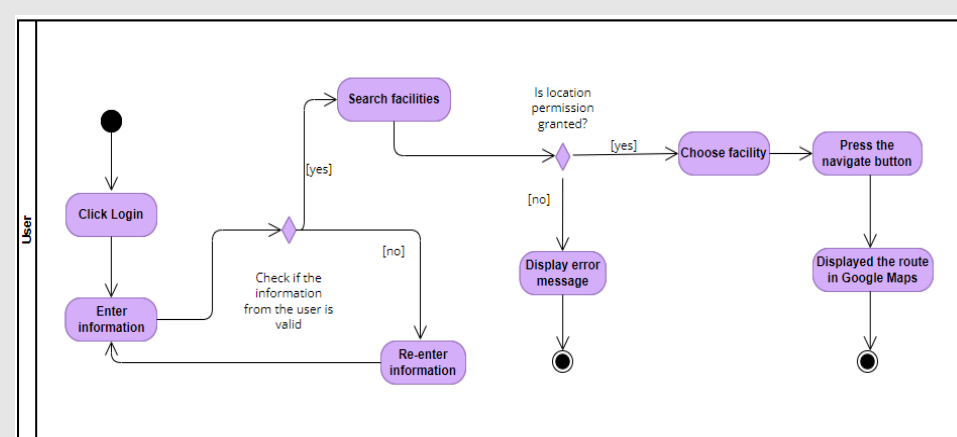


Figure 1 – Activity Diagram

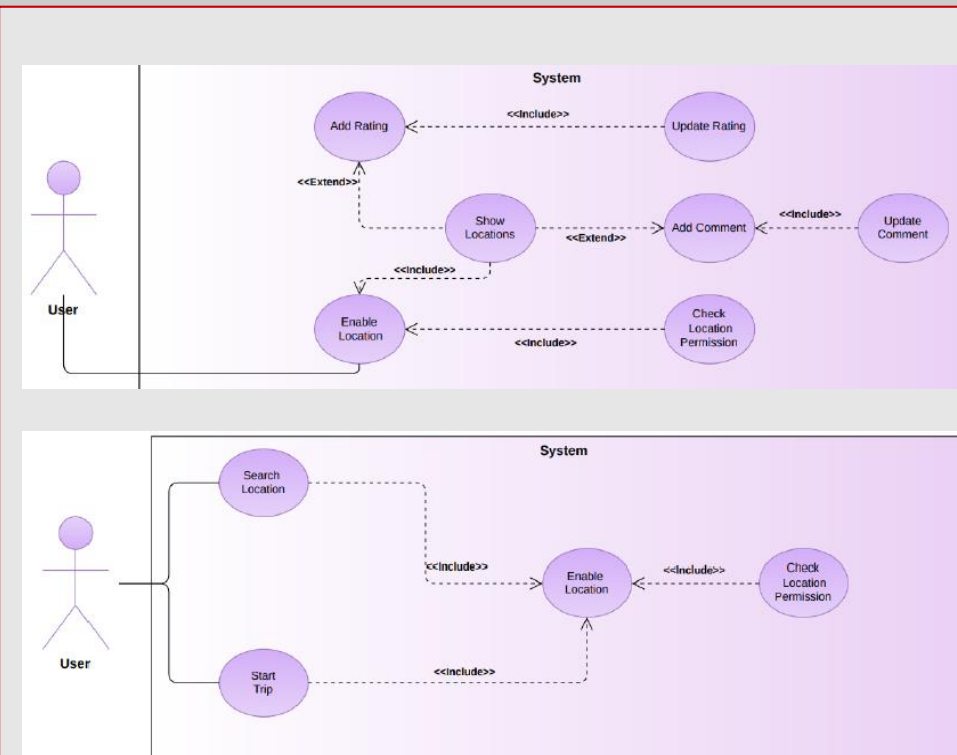


Figure 2 – Use Case Diagram

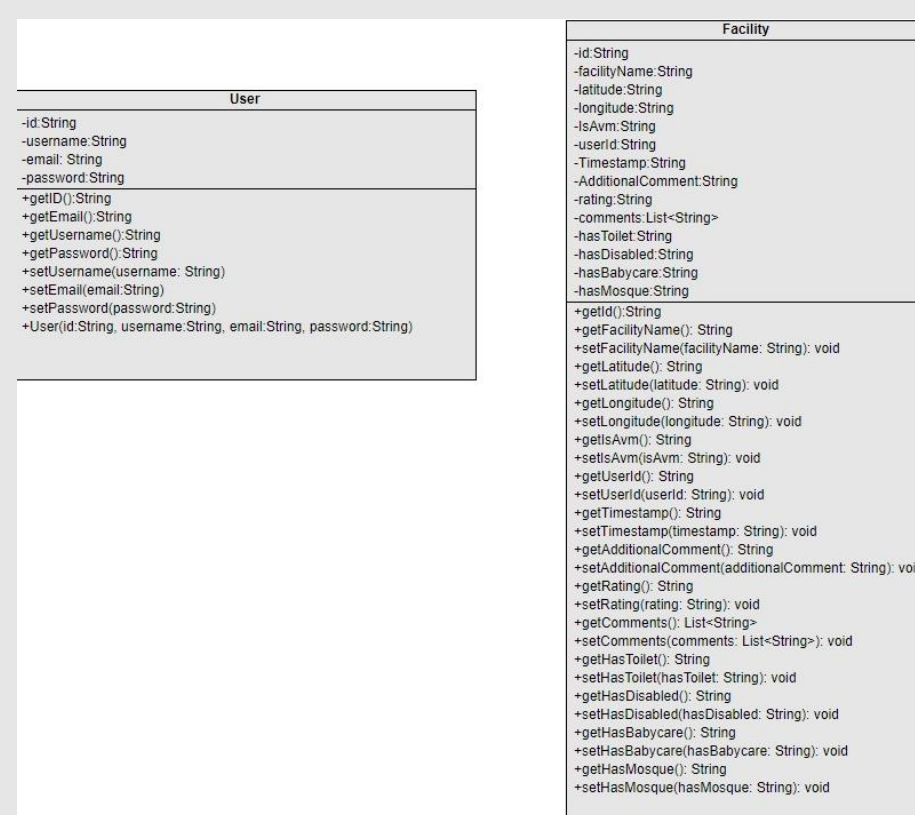


Figure 3 – Class Diagram

## Company Info

SONO Yazılım A.S. is a software company that has been providing software consultancy services and producing software in Turkey and abroad since its establishment in 2015, offers compliant software solutions and consultancy services to public institutions, municipalities, universities, and the private sector by using the latest technologies it provides consultancy.



## Results & Conclusion

The Smart Trip app aims to plan trips by providing an efficient, user-friendly platform for travelers. We designed this application with its remote control route, user-friendly interface and nice design to provide more comfortable travel and ultimately to give reliable results. Our analysis outlined crucial features such as itinerary management and location recommendations, which were supported by suitable design patterns and APIs. This application is designed to enhance users' travel experiences.

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