



ACROPOLIS
Enlightening Wisdom

Acropolis Institute of Technology & Research, Indore

Smart Accessibility Map

Department of Computer Science and Engineering

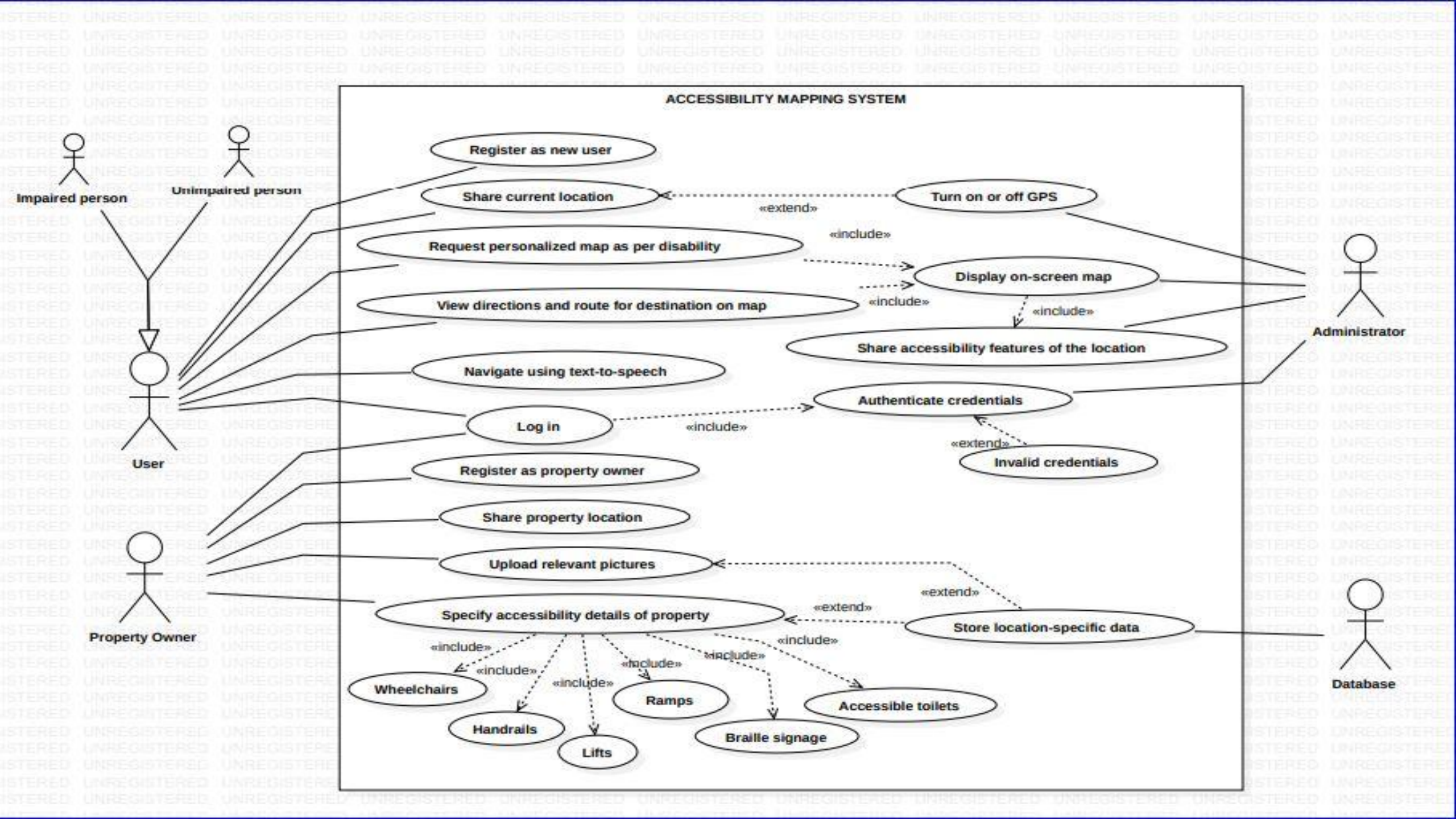
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Introduction

In this project we created a website 'Smart Accessibility Map' for disables using Bing Maps API where disables can find the accessibility features of the place they want to visit. and get the direction for that place.



Front End

Technology Stack

- ❖ HTML
- ❖ CSS
- ❖ Javascript
- ❖ Bootstrap
- ❖ Jinja2



Special Maps

An Innovative Map For Special People.

[Portfolio](#)[Location](#)[Route Details](#)

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Name



Email



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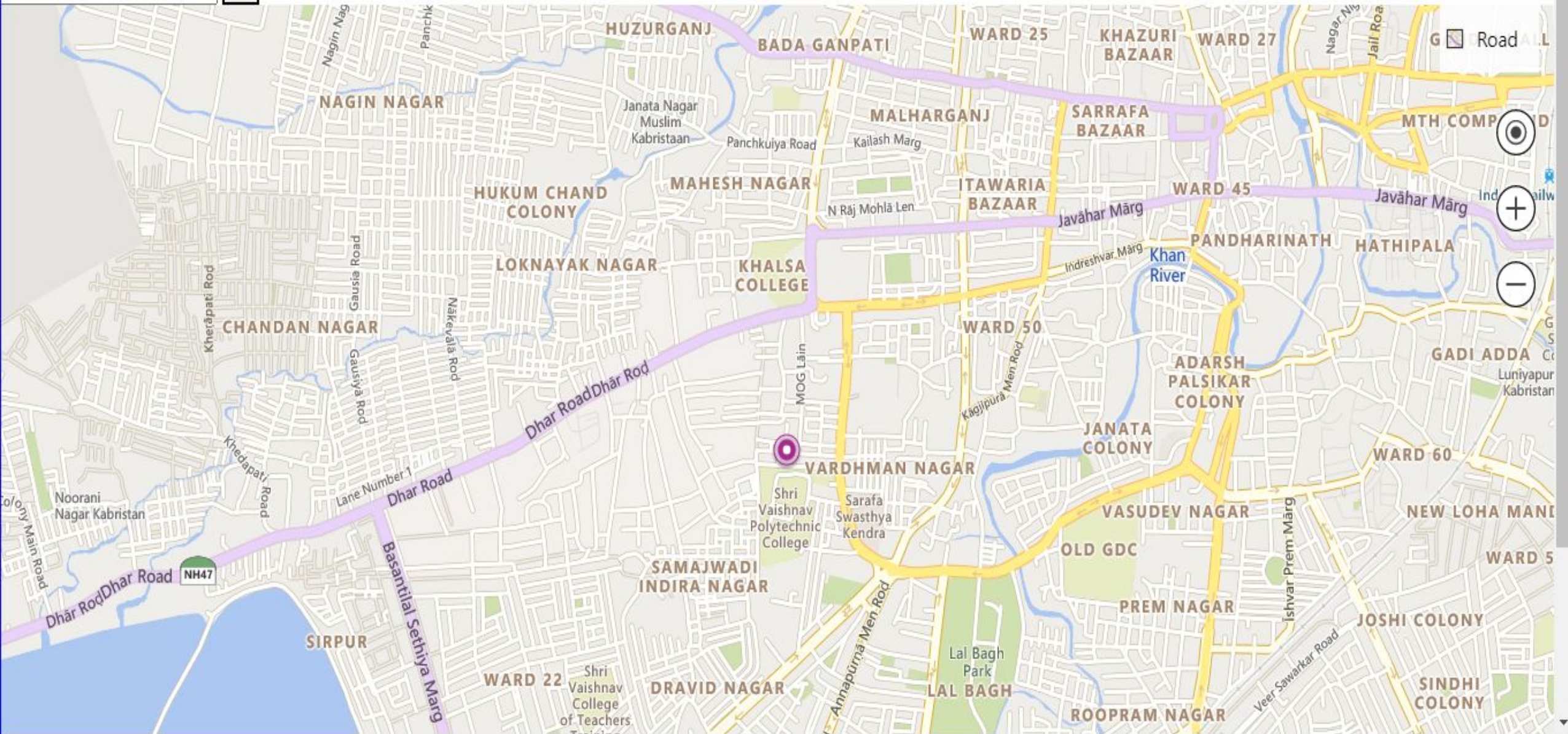


Disability type

☐ I Agree with [Term & Conditions.](#)

SIGN UP

Speak Something



Bing Maps API

Bing Maps API is used for its various feature including but not limited to

- ❖ Geocoding
- ❖ Reverse Geocoding
- ❖ Routing
- ❖ Imagery Service
- ❖ And many more.....



gTTS

- ❖ gTTS(Google Text to speech),a Python library to interface with google translate text to speech API.
- ❖ It is used to provide the user speech searching capabilities as not all pws can see.
- ❖ Customizable text pre-processors which can, for example, provide pronunciation correction
- ❖ Pyaudio, Playsound, SpeechRecognition module is also used to convert written text to audio and convert the user's command into text.



Back End

- ❖ The resources we've used for our back end are as follows:-
- ❖ Flask - **Flask** is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries
- ❖ Postgresql - PostgreSQL is used **as the primary data store or data warehouse for many web, mobile, geospatial, and analytics applications**
- ❖ Json - Javascript is standard file object used to interchange data. The data objects are stored and transmitted using key - value pairs and array data types. In simple terms JSON data is the language of database.
- ❖ Werkzeug - Werkzeug is a collection of libraries that can be used to create a WSGI (Web Server Gateway Interface) compatible web application in Python.

Acknowledgement

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THANKS