

# TEAM XPLORER

## About us :-

TEAM LEADER :- SOUMADIP SANTRA

This PROJECT is completed by

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**PROJECT NAME :- WEB-ACCESSIBLE ELEVATORS**

**PROJECT TOPIC :- Digital Elevator Management System**

***PROJECT DESCRIPTION :-***

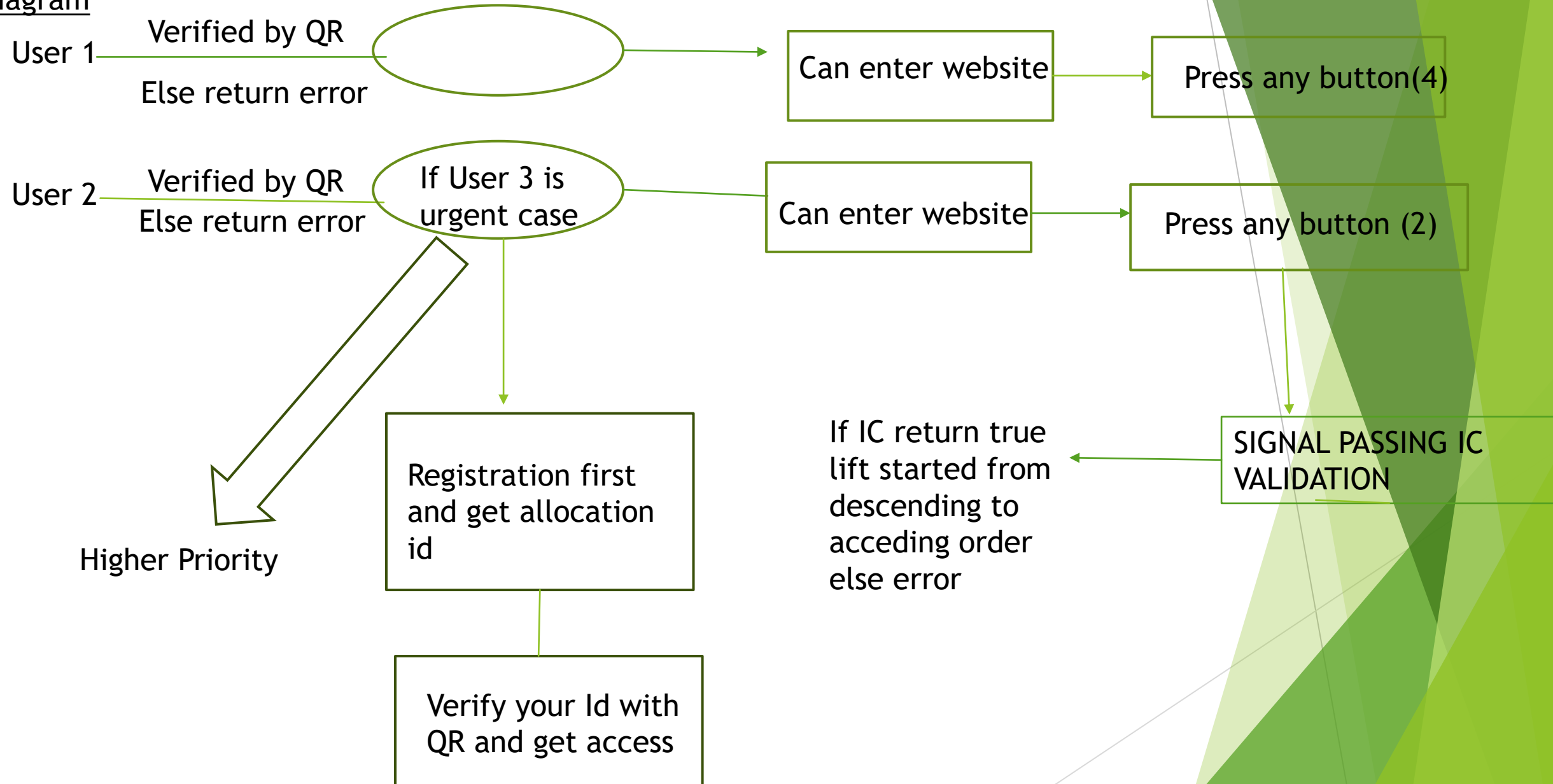
- **INTRODUCTION :-**

This project is based upon a website using HTML,CSS,JS and QR code is implemented by using Python.

- **PROJECT IDEA :-**

1. If there is a malfunction in digital button of the elevator, then a person can access the elevator by using digital button and her identity is verified by the QR code provided by the website and can reach his/her required floor of the building.
2. If a normal person gets in the elevator with a person in emergency condition, then the person in emergency can generate a QR code id from the website which will enable the person in need to reach his/her destination.
3. Senior citizens will also get the first priority comparing to the other persons present in the elevator except the person in emergency .

## Diagram



## FUTURE SCOPE :-

- 1.Mobile App Integration:** Create a mobile app for elevator access and management.
- 2.Elevator Monitoring:** Implement real-time monitoring for malfunctions and maintenance alerts.
- 3.Smart Building Integration:** Link elevators with other building systems for seamless interaction.
- 4.User Profiles:** Enable user preferences like favorite floors and accessibility settings.
- 5.Enhanced Emergency Response:** Improve emergency communication and assistance features.
- 6.Data Analytics:** Gather usage data for optimization and informed decisions.
- 7.IoT Integration:** Include IoT devices for automatic user recognition.
- 8.Voice/Gesture Control:** Explore voice and gesture commands for elevator interaction.
- 9.Multi-Language Support:** Extend language options and accessibility features.
- 10.Security & Privacy:** Implement robust encryption and privacy safeguards.
- 11.Building Management Integration:** Collaborate with building systems for coordination.
- 12.AI Integration:** Use AI to predict usage patterns and optimize routing.
- 13.User Feedback System:** Add user feedback and rating features for improvement.
- 14.Global Scalability:** Plan for diverse building types and international expansion.