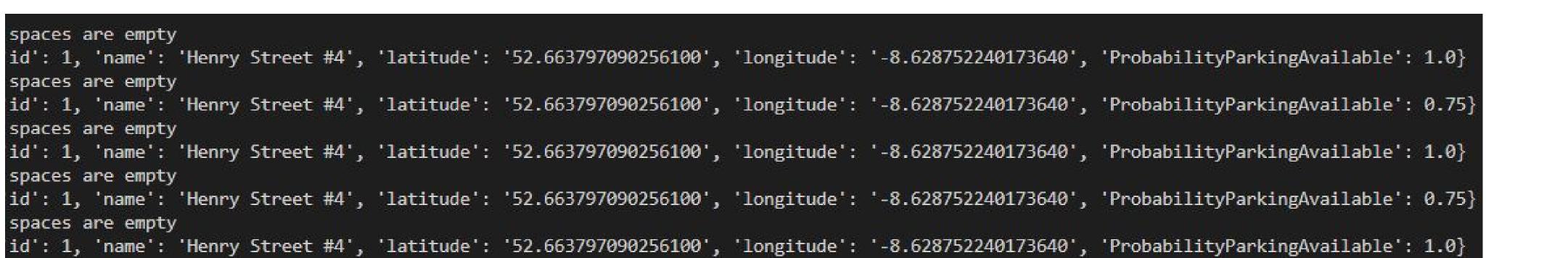


Results

From doing some testing I finally concluded that the parking monitor works how it should, It gives a probability percentage of how many parking spaces are available in the monitored car park.





Conclusion

I conducted research on the issue of car parking in Limerick City and developed a parking monitoring system using OpenCV and a web application called "Perfect Parking" to help users find and favourite parking spaces. Testing confirmed that the system worked effectively and provided a probability percentage of available parking spaces. The project's primary objectives included sourcing car parks, building the monitoring system, and testing the website for user-friendliness. My aim was to create an innovative parking system to replace outdated ones and alleviate the stress of finding parking spaces in cities. The importance of parking spaces in reducing illegal parking and traffic congestion is a must, and the project seeks to address this growing issue in Limerick City and other cities in Ireland.

Methods

- Researched about the problem that was car parking in Limerick City.
- Done research on OpenCV and vehicle recognition.
- Looked into other parking businesses and applications to see if this idea was done before.
- Developed my Car Parking monitor.
- Monitor a car park to get back the probability of a parking space being available.
- Developed my Perfect Parking web applications so users can find and favourite a car park that they prefer.

