# LASS: Location Aware Shelf System

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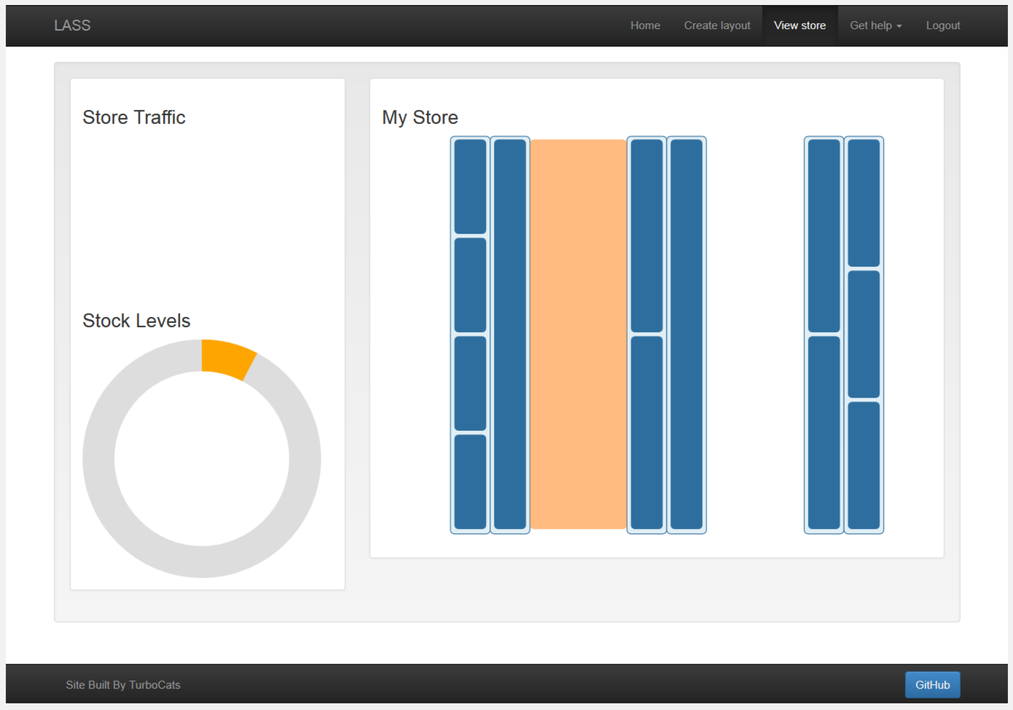
**Internet of Things (IoT)** is a scenario in which objects, animals or people are provided with unique identifiers and the ability to automatically transfer data over a network without requiring human-to-human or human-to-computer interaction.

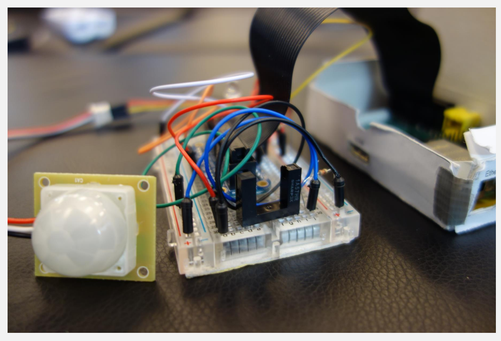

**Open Geospatial Consortium (OGC)** is an international industry consortium of 472 companies, government agencies and universities participating in a consensus process to develop publicly available interface standards.

**This project** will be focused on developing a "smart shelf" that can track store traffic and shelf stock throughout the store.

**The sensor / hardware component** deals with the development of a prototype smart shelf that can update sensor readings to OGC SensorThings API.

**The software/Web component** allows a user to visualize data collected from the shelves.



**One goal** of this project is to serve as an example for developers looking to develop an IoT application using the OGC standard

**This project** will be developed as a Free, Open-Source Software (FOSS) and can be further hacked or improved upon for a variety of different applications

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