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PHARMAROID: A Mobile enabled Robot Pharmacist

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PHARMAROID is a smart pharmacy enabled with a mobile application that uses modern technology to help pharmacy managers to arrange and store medicine in a smart and easy way to track and access them when needed. The project will apply the technology of the Internet of Things (IoT), a network of physical objects or "things" embedded with electronics, software, sensors, and network connectivity, which enables these objects to collect and exchange data. The project can be implemented in public pharmacies, hospitals, healthcare centers, universities, factories and warehouses.

The project helps to manipulate and manage storage systems like a pharmacy. The user can communicate with server to request the desired medicine, through a mobile application. The server can handle the requests and send them to control system that controls a robot pharmacist. The robot pharmacist is designed to receive and respond to orders, move freely to capture images, detect and recognize the correct item and pick it from the smart store to be ready for delivery.