PROJECT ABSTRACT –
MOBILE REPAIR MANAGEMENT

Submitted by:

Kevin Liza Alex

INMCA S10, 25

MOBILE REPAIR MANAGEMENT - IREPAIR

Mobile Repair Management is web application with aim of management and monitoring of mobile repairs at the repair shop using the website from the initial stage of requesting submitting a repair request of mobile phone to repair from customer through the stages of repair and finally the delivery of the repaired mobile phone. The main goal is to ensure a fewer contact repairs and effortless management and monitoring of all the repairs and to ensure more transparency to the existing repair of mobile phones.

The proposed extension is the addition of a new module, the inventory manager and admin. The inventory manager module manages the status of spare parts inventory and the admin module manages the modules interacting with the application. Currently the system has no provision to manage stock and to control them and the lack of user control is solved by the additions on admin module. Technician assigns the spare to repair the mobile phone from a list of items. The proposed extension adds the provision to manage the quantity of stock and user control. The technicians and inventory manager together manage the spare part inventory.

The advantages of the proposed extension:

- Dynamic management of spare parts quantity.
- Provision to manage available spare parts.
- More user control and monitoring.
- Centralised user control.
- Extension of current range of functionality of the system.
- Collaborates additional modules under one roof.

The extending module is:

- Inventory manager: Manages the stocks in the inventory for repair of mobile phones.
- Admin: For dedicated user access, control and monitoring.

The extending module's function:

- Inventory manager: Manage the stock of spare parts to repair and manages request from the technicians to meet the out-of-stock scenario of spare parts. The technicians can request for a particular spare part. The inventory manager manages the stock requirement and updates it.
- Admin: Dedicated control of all the users interacting with the application through centralised admin module. So that each user or modules have restricted interactions of the access and usage to the system. And the admin module lays control over all the modules.

For development the software used are:

- HTML, CSS, Bootstrap, JavaScript: Front-end development.
- PHP: Back-end development.
- WampServer: Act as the local server to test run the web application.
- MySQL database: Provides database connectivity.