**Project: Babatye Mobile App for Barcode reader**

**Agent Details:**

**Name**: Arif Systems

**Website**: <http://arifsystems.org/>

**Email**: [info@arifsystems.org](mailto:info@arifsystems.org)

**Phone**: 0411215302

**Client Details:**

**Organization Name**: Babatye

**Website**: <https://www.babatye.com/>

**Representative**: Dr. Rifat Sharmin

**Time Frame**: 24 weeks

Babatye is a Melbourne, Australia based online clothing brand launched in 2018. It is a local business with global presence bringing fashions to you at the click of a button. Babatye works with external suppliers for their cloths.

Babatye plans to build a mobile based system which will be able to scan the barcodes of their cloths received from the suppliers at the time of delivery. The system then should store the scanned data in to a data repository.

**Requirements:**

1. Discuss and gather users’ requirements, keeping in mind that there are two parts to this project, the interface i.e. mobile app and database.
2. Document both functional and non-functional requirements.
3. Go through the design and scoping phases following either waterfall or agile framework.
4. Develop the system using opensource technologies.
5. Create a unit, system and pre-production test environments.
6. Generate a detail test report, including user acceptance testing report.
7. Implement the system in production environment.
8. Finalise all the documents and handover the projects artefacts to the client.

**Few important functional requirements:**

* From the barcode retrieve
  + Category of the product.
  + Type of the product.
  + Weight of the product.
  + Size of the product (Not actual size in CM but in letter i.e. S/M/L/XL).
  + Colour of the product.
* This system should be flexible and should be able to retrieve any other additional data that may be included in the barcode as some suppliers like to add more information.
* While storing the above-mentioned retrieved information, they should be stored in individual columns in the database.
* All the stored information should be uniquely identified.

-  ALL THE NECESSARY RESOURCES WILL BE PROVIDED BY THE CLIENT

-  ERRORS SHOULD BE HANDLED APPROPRIATELY.

-  THE SYSTEM SHOULD BE SCALABLE AND EFFICIENT TO USE.

-  THE NEW SYSTEM SHOULD WORK ON ANY NORMAL MOBILE.