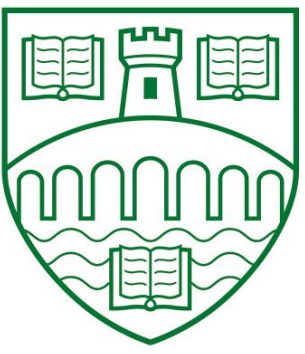# Stonekart – An Ecommerce App

Shazibali Gesawat

MSc in Software Engineering

UNIVERSITY of STIRLING

Problem & Aim :
Stone companies and freelance stonemasons sell their products directly to the consumer that is the offline instore method. Stonekart provides the solution for buying these exclusive products in a few clicks. The aim of this hybrid application built on angularJS(frontend) is to provide a multivendor ecommerce functionality and help to provide interfaces for two kinds of users i.e. A buyer and a stonemason / stone Seller company. The use of the ionic framework that includes apache cordova makes it easy to access native API's on each platform.
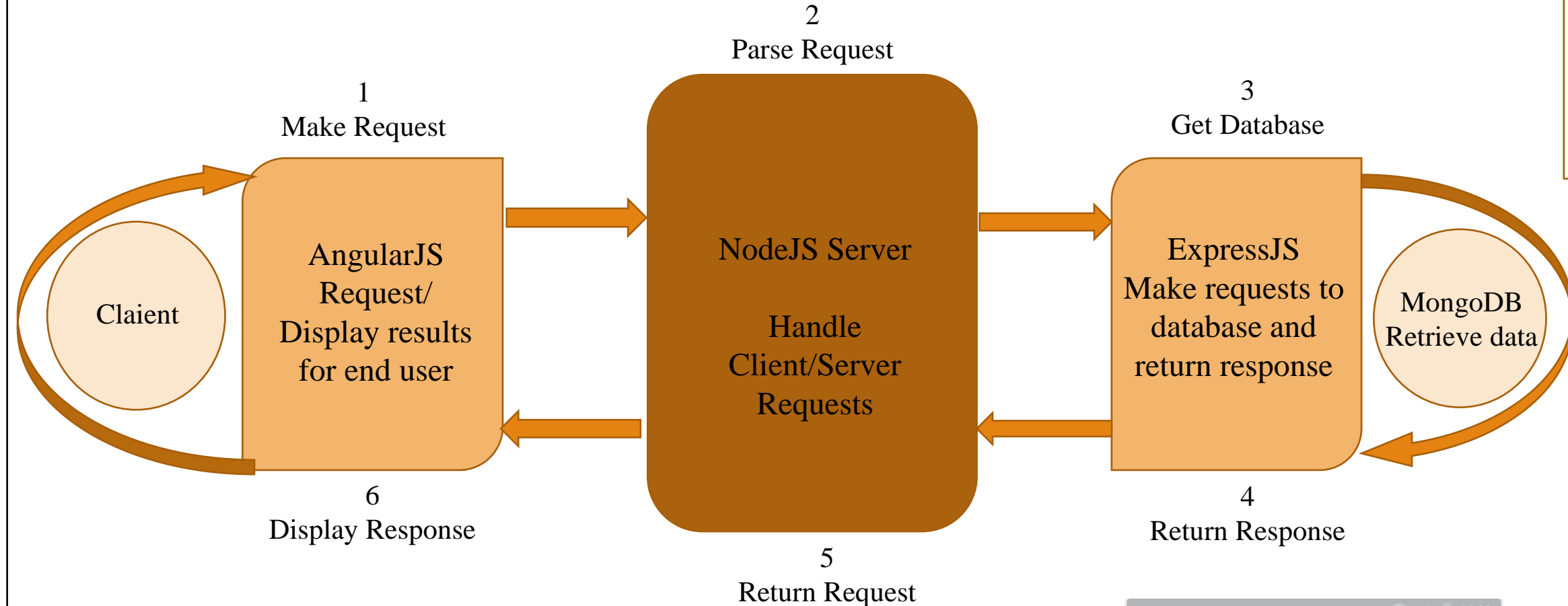
Stonekart Buyer

- A secured login and registration.
- Social login/register.
- Product reviews after purchase of product.
- Checkout through a secured payment gateway.
- SMS & email verification
- Secured seller chatting functionality without knowing seller details regarding a specific product.
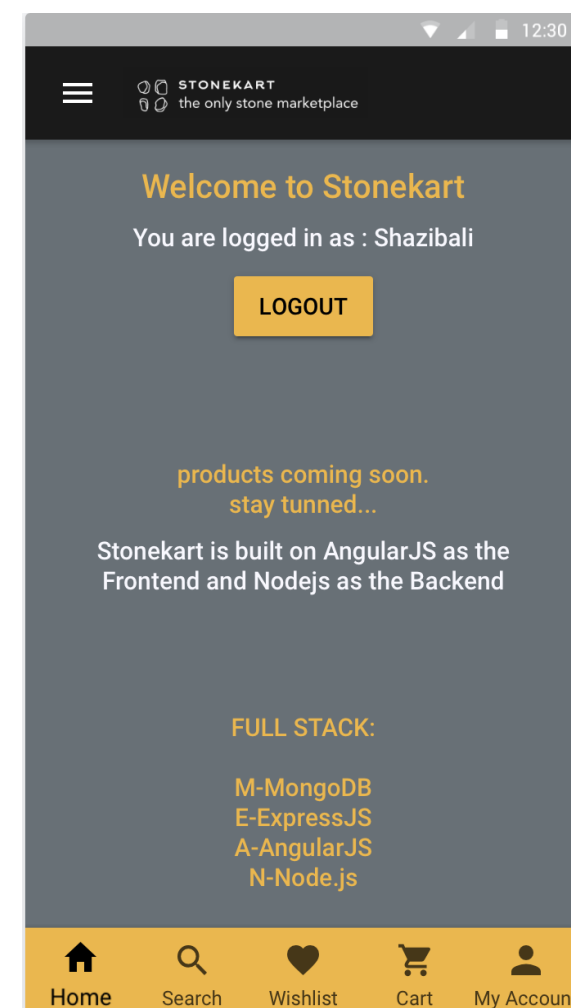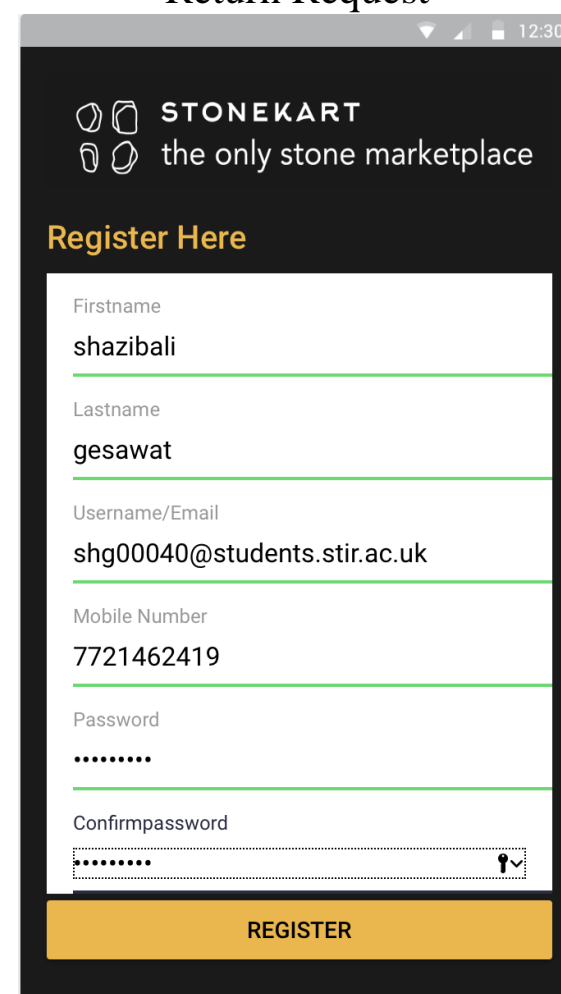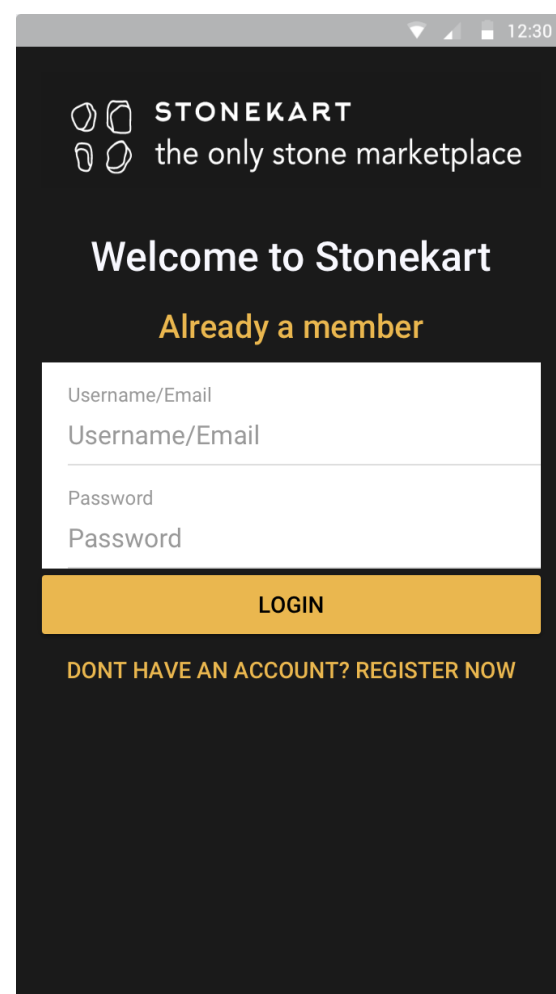
Stonekart Seller

- Secured login and register.
- SMS and email verification.
- Company verification through official documents.
- Product verification before appearing on listing
- Updating delivery status
- Invoice generator.
- Secured buyer chatting functionality

System Architecture

1 Make Request
2 Parse Request
3 Get Database

Claient

AngularJS Request/ Display results for end user

NodeJS Server

Handle Client/Server Requests

ExpressJS Make requests to database and return response

MongoDB Retrieve data

6 Display Response
5 Return Request
4 Return Response

MEAN Stack

- MEAN stands for MongoDB, Expressjs,Angularjs, and Node.js.
- As compared to traditional web-serving techniques where each connection(request) generates a new thread, using large amounts of the system RAM and eventually maxing it out , Node.js operates on a single thread, using non-blocking I/O calls, allowing it to support thousands of concurrent connections(held in the event loop).
- MongoDB being easily scalable and schema less reduces the complexity of transformation logic because it releases JSON Objects natively making writing of RESTful web services easy.
- Express handles server-side routing and page-generation and I/O calls to and from the database.
- Emphasizing on client side views with the courtesy of AngularJS where it interacts with the node.js server. Moving from page-centric view of the application to one that is component-oriented.
- MEAN stack is mobile centric i.e. AngularJS runs equally well on desktops, laptops, smartphones, tables and even smart TV's.

Screenshots

STONEKART
the only stone marketplace

Welcome to Stonekart

Already a member

Username/Email
Username/Email

Password
Password

LOGIN

DONT HAVE AN ACCOUNT? REGISTER NOW

STONEKART
the only stone marketplace

Register Here

Firstname
shazibali

Lastname
gesawat

Username/Email
shg00040@students.stir.ac.uk

Mobile Number
7721462419

Password
••••••••

Confirmpassword
••••••••

REGISTER

STONEKART
the only stone marketplace

Welcome to Stonekart
You are logged in as : Shazibali

LOGOUT

products coming soon.
stay tunned...

Stonekart is built on AngularJS as the Frontend and Nodejs as the Backend

FULL STACK:

M-MongoDB
E-ExpressJS
A-AngularJS
N-Node.js

Home   Search   Wishlist   Cart   My Account