

# THE MKN SHOPPING COMPANY

## Introduction

This project was made specifically as the first assignment of the course, Advanced Programming. The deployed website can be accessed here:

We have used a Javascript based stack because Node JS works on an event-driven model, something that was a necessity for the given task of making an e-commerce website.

Follow these instructions in order to run the code on your local computer:

1. You have to first confirm that you have Node JS installed on your computer. If not, you can do it here: <https://nodejs.org/en/download/>
2. Now, in your terminal, you need to change your directory to `..\MKN-Shopping>`
3. If you have node installed on your computer, you can write this on your terminal to get started:  
`node app.js`
4. The terminal should now display two messages: "Running on port 3000" and "Connected to database".
5. Navigate to <http://localhost:3000/> on your preferred browser and you will be directed to a locally hosted version of the website.

## Credits

Here, we would like to give credits to several resources that we have utilized in the making of this project.

These range from libraries and frameworks to online resources and APIs

- **Node JS:** We have based our stack around it and have used **npm** package manager to add several packages to this project. This was chosen because of easy scalability, easy to adapt, quick caching
- **express:** Back end web application framework.
- **Body-parser:** Package for parsing the incoming request bodies in a middleware.
- **Bcrypt:** Package used to hash and salt the password.
- **Connect-flash:** Flash message middleware
- **EJS:** Templating engine (used to inject data into html template at the client side and produce the final HTML).
- **Mongoose:** Library for integrating MongoDB database and NodeJS
- **passport, passport-local, passport-google-oauth20:** Used for authentication.
- **MongoDB Atlas:** Cloud based MongoDB service
- **locus:** Debugging module
- **Google fonts:** particularly easy to add, provides fonts are automatically updated, are universally accessible apart from china due to its free licensing
- **Bootstrap:** front end framework, used to make websites responsive.
- **express-sessions:** Storing authentication data as simple cookies.

We would also like to briefly mention <https://stackoverflow.com/> for helping us out with our frequent queries.