\*\*1.\*\*

\* \*\*Issue:\*\* Is the application going to be a mobile application. What are we going to use to build the application?

\* \*\*Decision:\*\* We will be using React Native to build the application.

\* \*\*Position / Argument:\*\* React Native is a good foundation for the app as we can develop for iOS and Android at the same time and reuse the code. There is also a strong community for React Native which means there is a lot of external libraries we can use if we need. It will also provide a offline cache of recently viewed pages for offline access.

\* \*\*Related Requirements:\*\* This decision effects the rest of the decisions listed as it must be able to integrate with React Native. All requirements are related. Notifications being pushed to customers.

\*\*2.\*\*

\* \*\*Issue:\*\* Which UI Framework will we use

\* \*\*Decision:\*\* For the simplicity and ease of use with React Native UI components it was a clear choice for the project team

\* \*\*Position / Argument:\*\* React Native UI components offers plenty of UI design choices so we can maintain a professional look while easily integrating the UI framework with our application. It offers Cross-Platform Compatibility, Reusability of code, and Customization. Other UI frameworks require extra steps to integrate into our application which leaves React Native Components levels ahead of all other choices.

\* \*\*Related Requirements:\*\* Clean looking and easy to use UI for customers.

\*\*3.\*\*

\* \*\*Issue:\*\* Which backend language will support the application.

\* \*\*Decision:\*\* C# will be used as the backend language of the app. SQL database for Inventory tracking.

\* \*\*Position / Argument:\*\* Since react native does not care which language is used for the backend C# offers all the functions the website will need.

\* \*\*Related Requirements:\*\*

\*\*4.\*\*

\* \*\*Issue:\*\* Choosing analytics tools for customer usage and journey to streamline recommendation the app offers to them, and to target ads towards the user.

\* \*\*Decision:\*\* Our application will use UXCam

\* \*\*Position / Argument:\*\* Reason we chose UXCam over other options is user journey is really important for our analysis. While also offering easy implantation with react native apps and a customizable dashboard for the results of customer usage.It also offers a feature that will alert you to any Crashes and UI freezes to aid in customer experience.

\* \*\*Related Decisions:\*\* Inventory / Shipping tracking. Orders

\*\*5.\*\*

\* \*\*Issue:\*\* Data storage for various part of the app including images,

\* \*\*Decision:\*\* We have decided to use SQL database for this application, mostly for team familiarity but also for its simplicity.

\* \*\*Position / Argument:\*\* Although not that great at image storage the easy integration with C# made it a good option for our app.

\* \*\*Related Requirements:\*\* Image storage.

\*\*6.\*\*

\* \*\*Issue:\*\* Multiple language stored in the app for users of other languages

\* \*\*Decision:\*\* We decide to use React Native Localize

\* \*\*Position / Argument:\*\* React native localize is built into React Native making it super simple to integrate as well as offering our same website in multiple languages.

\* \*\*Related Requirements:\*\* Multiple languages built into app