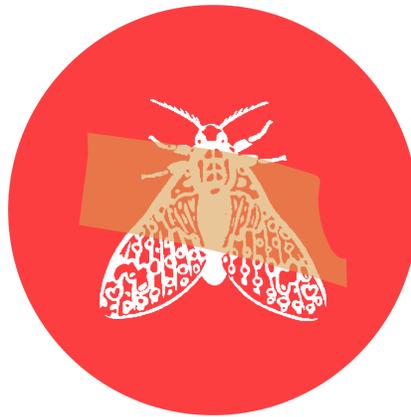


# NMIX4510 Capstone: Exploratory Research

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UGA Hacks is a 501 (c) (3) non-profit organization that hosts an annual 48-hour programming sleepover that takes place at the University of Georgia. Hackers, sponsors, and mentors come together to work on projects and create solutions. Our goal is to create an app in support of the Hackathon that supports attendees. Our goal is to create a React Native application to assist UGA Hacks and its organizers.

Hacking is creative problem-solving. At UGA Hacks there will be different tracts where attendees create their projects and provide solutions to sponsor challenges. This app will help facilitate interactions amongst the event, help organizers, and present the best image of UGA Hacks to the public. Attendees will use the app to assist the event experiences and serve as FAQs and guide to resources around the event. The app will further facilitate mentorship and team building.

Our app is run through a popular JavaScript-based mobile app framework, called React Native, that allows you to build natively rendered mobile apps for IOS and Android. React Native applications are described as being written using a mixture of JavaScript and XML-Esque markup, known as JSX. Then, under the hood, the React Native “bridge” invokes the native rendering APIs in Objective-C (for iOS) or Java (for Android). Thus, your application will render using real mobile UI components, not webviews, and will look and feel like any other mobile application. React Native also exposes JavaScript interfaces for platform APIs, so your React Native apps can access platform features like the phone camera, or the user’s location.

Similar Hackathon hacks include HackGT. Their app serves as a commonplace for all information regarding the event. You can find information about schedules, descriptions of events.