Richardson GO!
Get Out and Enjoy Richardson

Abstract
Greffery imagined a way to connect the local businesses and government of Richardson with the people and visitors of the city to create a community. Using the Richardson Go app locals and visitors alike will be able to discover local events, specials, and where to get government services in a single place. They'll eventually be able to connect with their friends and make plans as well all in a single convenient application to help explore Richardson and get to know it even better than before.

The project: design and implement the backbone and the infrastructure of the application, along with a working prototype. Our front end connects to a variety of different database tables through an online HTTP Application Programming Interface to pull and display information. The API creates a bridge for the front end (User Interaction, Graphics, and Functionality) and the back end (Databases, API, supporting structures) by passing JavaScript Object Notation strings back and forth over the internet. The database and backend provide organized storage of information and the foundation for the main and sub categories to be changed with ease without breaking the Application, database or API.

The application provides various Categories and Sub-Categories to make it easy for someone to find the information they need while having an enjoyable experience.

Results
The application provides various Categories and Sub-Categories to make it easy for someone to find the information they need while having an enjoyable experience.

Architecture

Impact
Richardson Go improves the people of Richardson’s lives with ability to connect to their local businesses, government offices, and each other with greater ease than ever before. We have provided the backbone for a system that allows ease of access to upcoming local events hosted by the community and businesses that are both. Greffery’s Richardson Go application will make it easy to see how and where to get what local government services you need, event information, and so much more. This also allows companies to set up their own events and advertise to make sure they are reaching the local customers. Our Metrics have been measured in an Agile structure. Each week, we set goals to accomplish and created plans for predictable problems. At the end of each week, we reconvened with our Company Sponsor to check our work and decide our next plans. Our top priority was a stable UI, API, and DB: Success!

Summary
Over the course of the semester we worked with Greffery to develop the backbone of an application called Richardson GO for android. We created the databases to hold and organize the information, relaying it and storing it as needed; the front end which displays and controls the user interface on the Android Operation System; and the API which bridges the Client Side to the Server so that the application can retrieve and enter information from and to the database tables. The company will take our base and gather the information they require to fill the tables. With that information, the application will be in full functioning force and ready for the public.

Our work will be used by the company to further develop the application and prepare it for deployment once a few changes are made.

Our biggest road block was and still is the lack of information in the tables and the lack of ability to gather information from the web. These particular features were out of scope of the project for our semester. We would like to thank Dr. Borazjany our faculty advisor for her assistance in the creation of the proposal and all the guidance she gave us. We would also like to thank Ed Whitesell, our main point of contact with Greffery and the rest of the Greffery team for their assistance.