



**Engineering
& Computing**

School of Computing
& Information Sciences

School of Computing & Information Sciences

Summer 2020 Senior Design Project



BOLO v15.0

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Problem

Be On the Look Out (BOLO) flyers are used by Police Departments as a way of communicating information about crimes and suspicious activity. These flyers are currently being created and processed manually. There is a need for a robust and automated system which can handle the creation, organization, and distribution of BOLO flyers.

Current System

The BOLO application was designed and developed by previous FIU seniors who have worked to enhance the system. BOLO v15.0 worked to apply the final features to and get BOLO ready for Beta testing.

Requirements

The Product Owners required a beta testable product which was achieved with the following:

- Allow for back-end data to be accessible and safely editable from within the application
- Application must include ability for administrators to create and modify user guides for the app as it grows.
- Application must use the Product Owners secure Exchange Server for all Email functions
- Allow the creation of comments in all BOLO's.

Verification

We did not make major edits the overall architecture of the application, therefore the test cases from previous groups were used by manually executing unit, integration, and system tests. We have relied on SpringBoot and Angular for validation of requests.

System Design & Implementation



Frontend:

- Angular 6
- HTML 5
- Bootstrap
- Angular Material



Backend:

- SpringBoot
- Java Framework
- RESTful API

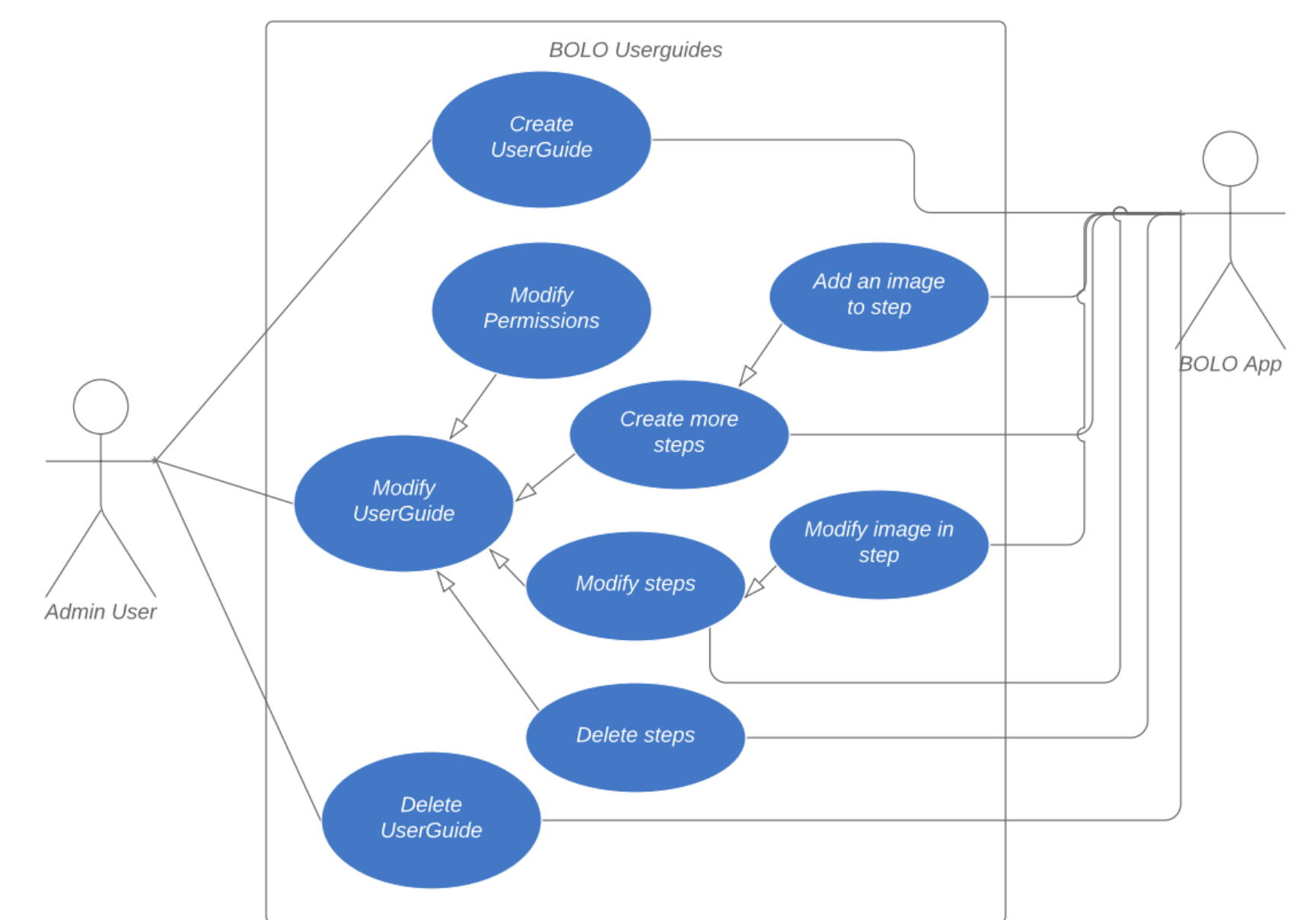


Database:

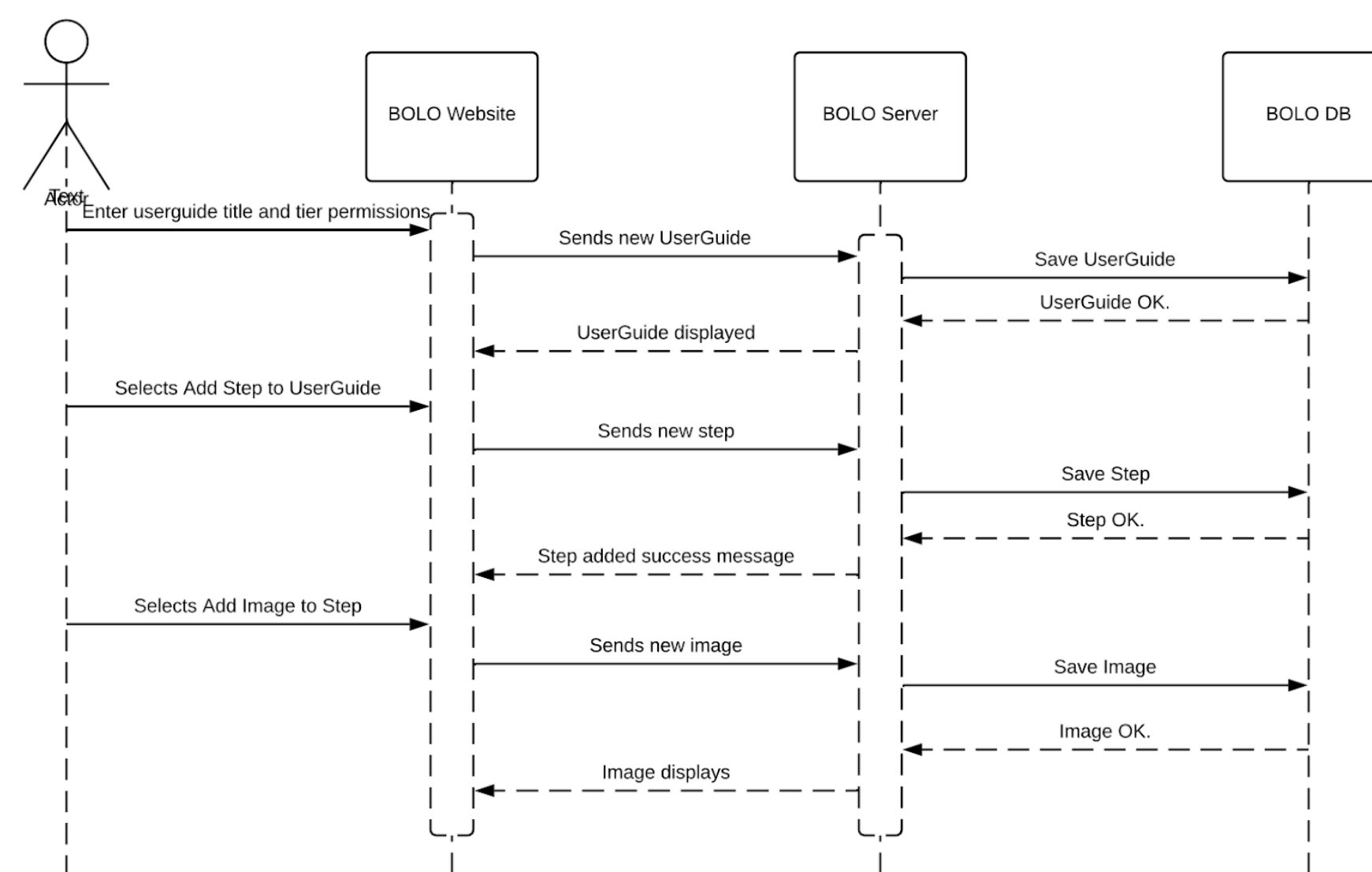
- SQL
- Microsoft SQL Server
- Management

Summary

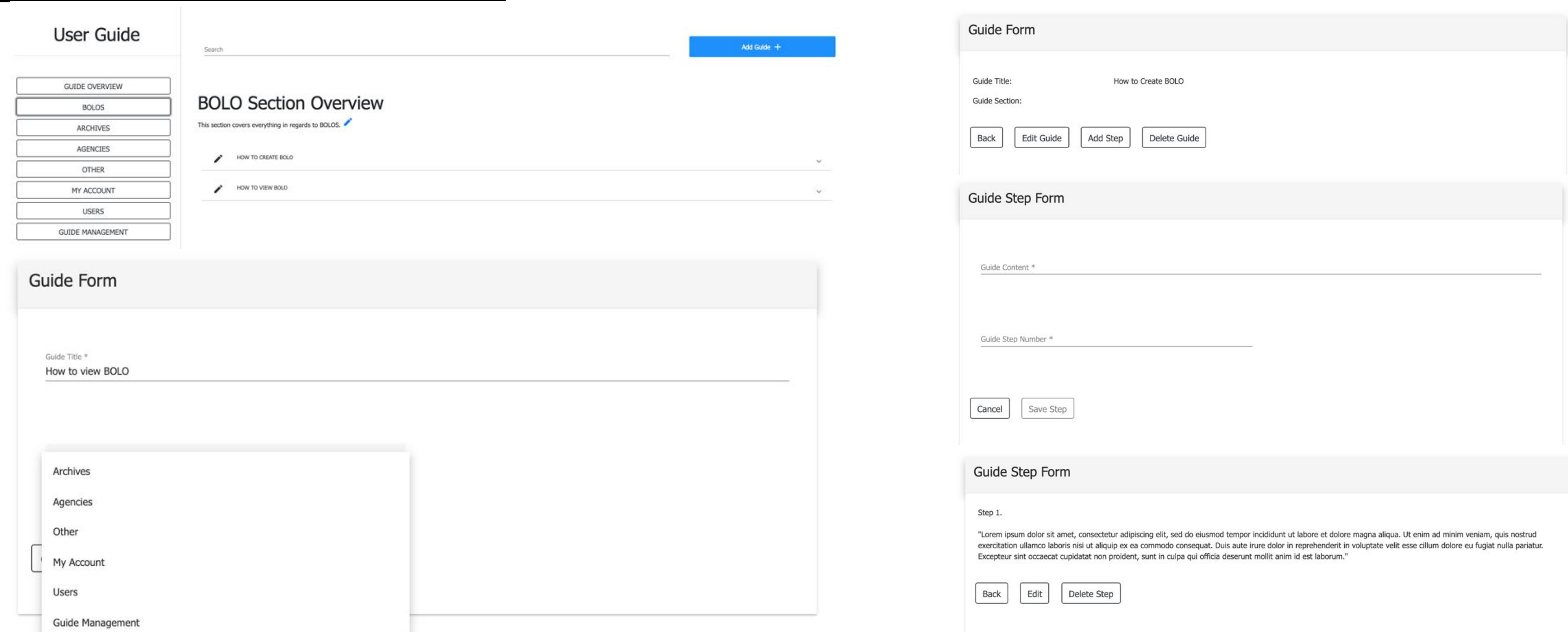
The BOLO v15.0 is now a beta testable product that can be deployed to other Police Departments in South Florida. With feedback from beta testers, work can be started on the development of user requested features and quality of life changes.



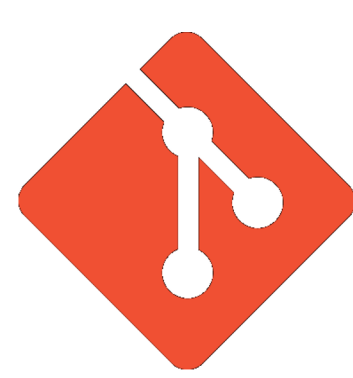
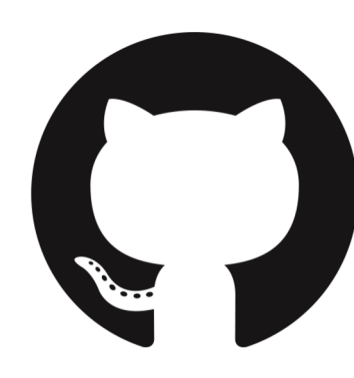
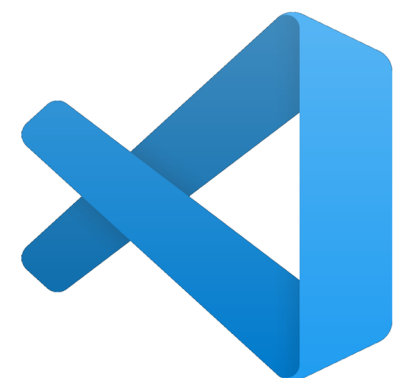
Object Design



Screenshots



Built With



Acknowledgement

The material presented in this poster is based upon the work supported by FIU and the Architecture Department. I thank Jason Cohen & Frank Alvarado from the Pinecrest Police Department for allowing me to work on such an impactful project. I thank my senior team, Roland Aroche, Ekaterina Banks and Anthony Benitez, as well as the capstone team, Ismael Peña, Zachary Garcia, Adriano Herrera and Akeem Lake for their equally dedicated work towards this project.