

Communication Information Center

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Project Statement:

The purpose of the Communication Information Center (or CIC for short), is to be a multiplatform solution for centralizing a user's experience with notification centers. In essence, we want to simplify notification centers by managing notifications on all of a user's devices, so that only the devices that are being used by the user are those that notify them of new events. Our platform will set itself apart from other applications because of its uniqueness. As of the creation of this charter, there is no similar application available for the scope of this project.

Project Objectives:

The project will assist the user in reducing redundant notifications with multiple devices. In summary, our objectives:

- Create a server to manage the user base. The server will contain the following:
 - Database for storing information pertaining to users and devices
 - tasks for maintaining the status of a person's devices
 - logic for coordinating different device notification systems
- Create client applications for connecting different user devices to the service
- Create an intuitive graphical interface for managing devices and how notifications are managed
- Create a web interface for managing devices connected to the service

Project Stakeholders:

- Users: People who own multiple devices and want an easy way to manage multiple notification systems
- Developers: Matthew Tracy, Xiaojing Ji
- Project Manager: Matthew Tracy

Project Deliverables:

- Backend server
 - Manage user accounts
 - run services that determine which device(s) should receive notifications and which should not.
 - Communicate with multiple user devices
- Android Client
 - provide sleek user interface for the service
 - allow user to manage notifications on all devices
 - give user ability to set custom behaviors of how the service determines which devices should have notifications
 - support removing devices from the service

- respond to server requests to toggle notification services of a device
 - Give a user the ability to locate devices and display the location of those devices on a map
 - allow the user to toggle certain actions on other devices remotely for security purposes (if time allows)
- Database
 - Store user information and list of devices
 - give information about devices, including device id, device name, device model, and notification statuses