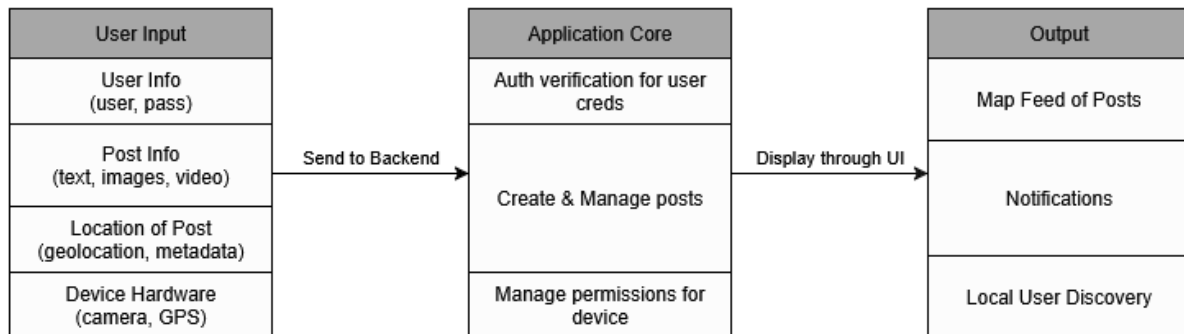


Team Locale Design Diagrams – Maggie Lyon, Kate Schmidlin, Kevin Chu

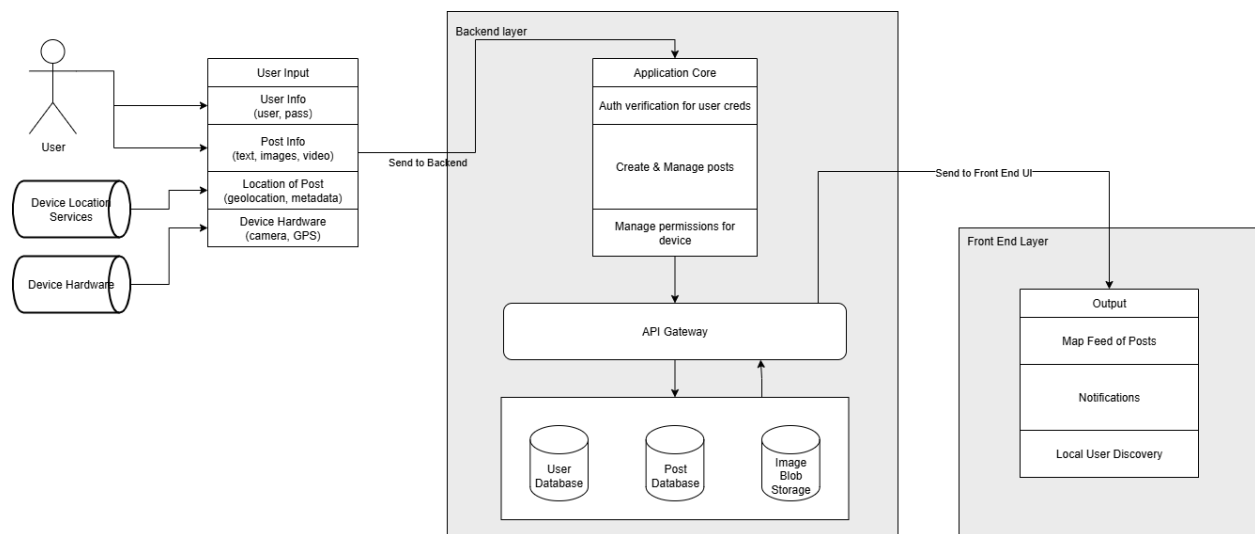
Design Diagram D0

Design Diagram D0 depicts the locale system at the highest level. The functional blocks in this diagram depict the input and output of the tool, as well as the basic internal functionality.



Design Diagram D1

Design Diagram D1 details some of the specific modules the Locale system will contain. Building upon the input/output/application core model from D1, this diagram shows the basic flow of data through the system. User and device data flow into the application core, where they are processed and stored accordingly. Data is returned by the application layer to the front end as visual outputs that the user may interact with. In this diagram, boxes represent functional modules, and arrows depict the flow of data through the application.



Design Diagram D2

Design diagram D2 breaks down some of the functional modules of the Locale system. In this diagram, shaded boxes represent different functional areas of the application. The outer most box is the application layer, with any data traveling into it representing user input. Within the application layer are three major functional areas – user authentication, the front-end layer, and the backend layer. Once a user data is authenticated, it flows to one of many front end components, which perform calls to the database to fetch data via processes communicating with the databases API layer.

