2.09 GAIA Smart Garden Controller

Patrick Schneider, Jordan Bonn, Brandon Sanders
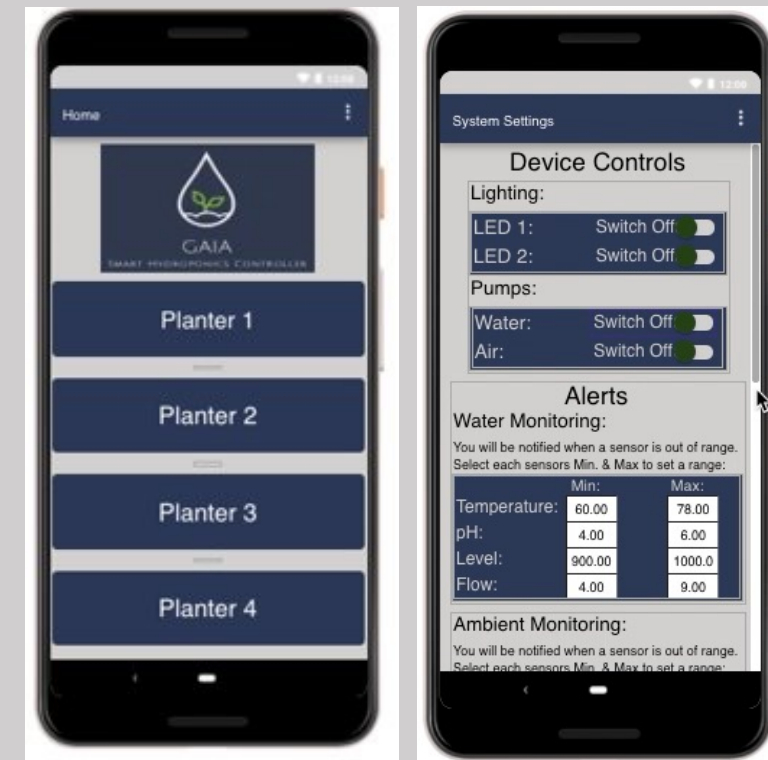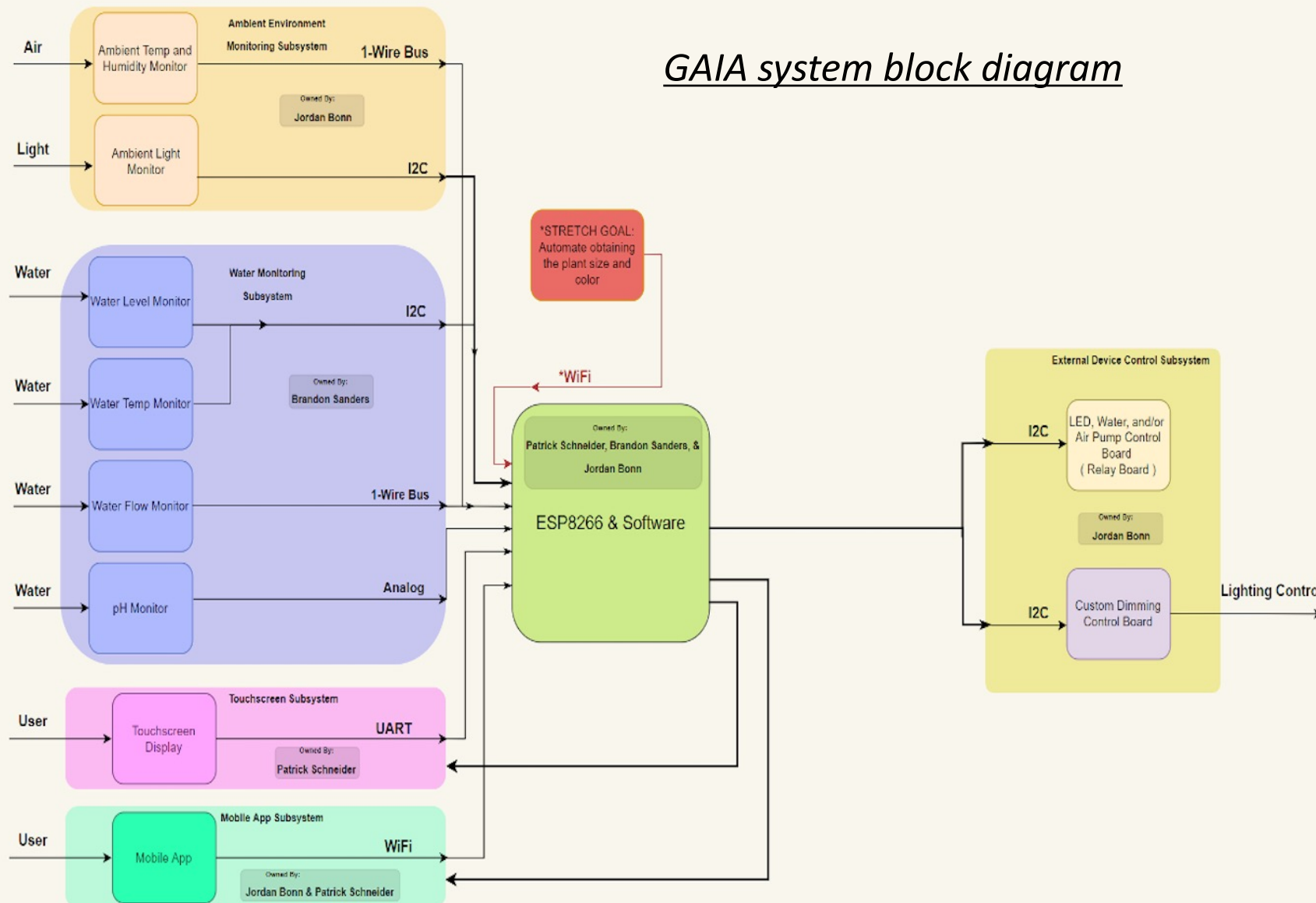
- Automates growing cycle
  - Minimize water usage
  - Maximize yield

- Customizable
  - Day/Night schedules
  - System alarms

- Monitors current system data
  - Locally via Touch Screen
  - Remotely via Mobile App

Team members (Patrick, Jordan, Brandon)
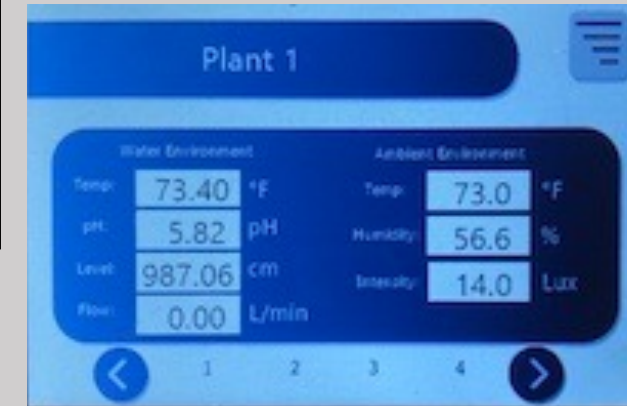
Touch Screen User Interface

GAIA system block diagram

Mobile App Interface

TEXAS STATE
INGRAM SCHOOL OF ENGINEERING