Smart Patient Dashboard

The Smart Patient Monitoring System and Dashboard

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GitHub link: https://github.com/h74-projects/smart-patient-dashboard.git

The People:

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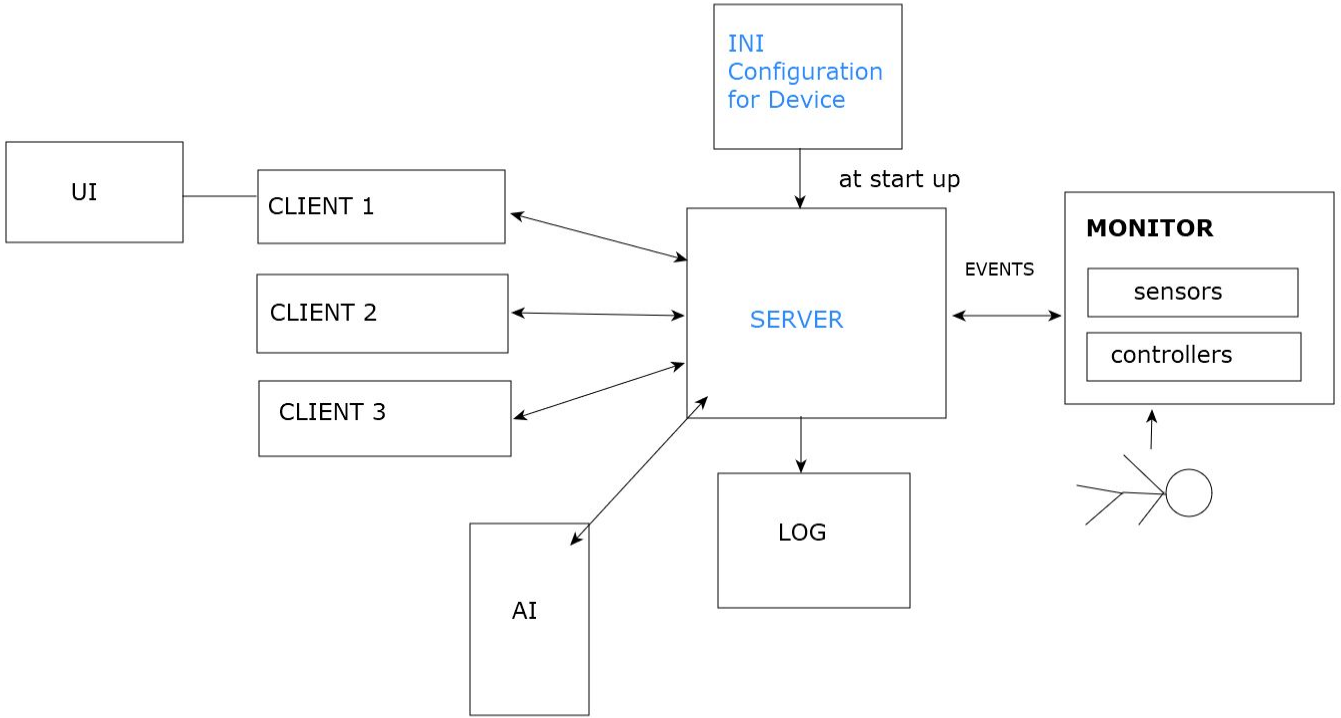
Smart Patient DashBoard Features:

- **Real-time collection of data:** Patient vitals are measured through Sensors/Monitors.
- **Data relay:** the server which acts as the main hub, uses EVENT-driven communication over TCP.
- **Handle requests from the Dashboard (client):** The Server will store the mapping of patients/rooms to devices, it will live-stream it to clients upon request.
- **AI Analysis:** The Server will transfer the data through the AI component.
  The AI component will generate a Risk Prediction by analyzing the data/vitals, and the prediction will be displayed in the Smart Dashboard.
- **Graphical UI:** The dashboard Displays:
  - A layout of all the patients in the ward.
  - For each patient it displays the live data collected from the sensors and Alerts (if there are any).
  - Displays a Risk Prediction Field using an AI component.
  - Handles a feed-back loop for the AI prediction model.


INI
Configuration
for Device
at start up
UI
CLIENT 1
CLIENT 2
CLIENT 3
SERVER
EVENTS
MONITOR
sensors
controllers
LOG
AI