

# Website Development Process

# Gantt Chart

[illegible]

## **Sprint 1– Login & Sign-Up**

Backend Development (user database, authentication API)

Frontend Development (login & sign-up forms, validation)

Security Integration (password hashing, session management)

Testing (unit + functional + regression)

## **Sprint 2 – Pharmacy Locator (Map + Dijkstra)**

Backend Development (pharmacy database + routes)

Frontend Development (map UI)

Integration of Dijkstra's Algorithm Testing (unit + functional + regression)

## **Sprint 3 – Medicine Information Module**

Backend Development (medicine database, API)

Frontend Development (search + details page)

Integration with Locator Testing (functional + regression)

## **Sprint 4 – Store Info**

Backend Development ( store info)

Frontend Development ( store info display)

Testing (usability + regression)

## **Sprint 5 – Deployment & Maintenance**

Setup Web Server Deploy Application User Documentation

**Agile because our project has multiple modules, requires flexibility, and benefits from early testing and deployment. Agile helps us deliver value continuously.**