# Remote Health Monitoring Patients with Hypertension

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## 1 PROJECT TASKS

| To-do | Do today | In progress 1 / 1 | Done |
|---|---|---|---|
| Develop Web Application | Setup Deployment Pipeline | Designing/Creating Dataset | Today |
| Create Data Visualizations | | | Project Plan and Design |
| Setup Project Documentation | | | |
| Test in the Dev Environment | | | |
| Fix Bugs | | | |
| Migrate to Production Environment | | | |
| Test in the Prod Environment | | | |
| Project Delivery | | | |

*Figure 1*—Kanban board including tasks for Week 11 to Week 15.

## 2 PROJECT TIMELINE

**Remote Health Monitoring Patients with Hypertension**

Honya Elfayoumy

Project Start: 10/26/2020
Display Week: 1

| TASK | PROGRESS | START | DAYS | END |
|---|---|---|---|---|
| **Phase 1** | - | 10/26/2020 | | 11/5/2020 |
| Project Plan and Design | 100% | 10/26/2020 | 4 | 10/30/2020 |
| Designing/Creating Dataset | 90% | 10/30/2020 | 5 | 11/4/2020 |
| Setup Deployment Pipeline | 20% | 11/2/2020 | 3 | 11/5/2020 |
| **Phase 2** | - | 11/6/2020 | | 11/23/2020 |
| Develop Web Application | 0% | 11/6/2020 | 8 | 11/14/2020 |
| Create Data Visualizations | 0% | 11/15/2020 | 5 | 11/20/2020 |
| Setup Project Documentation | 0% | 11/21/2020 | 2 | 11/23/2020 |
| **Phase 3** | - | 11/23/2020 | | 11/26/2020 |
| Test in the Dev Environment | 0% | 11/23/2020 | 1 | 11/24/2020 |
| Fix Bugs | 0% | 11/24/2020 | 2 | 11/26/2020 |
| **Phase 4** | | 11/27/2020 | | 11/30/2020 |
| Migrate to Production Environment | 0% | 11/27/2020 | 1 | 11/28/2020 |
| Test in the Prod Environment | 0% | 11/28/2020 | 1 | 11/29/2020 |
| Project Delivery | 0% | 11/30/2020 | 1 | 11/30/2020 |

*Figure 2*—Gantt Chart and Tasks timeline for Week 11 to Week 15.

https://docs.google.com/spreadsheets/d/1wqjzfipF9aM7jcge2YTlvWQEBP6kSZ6wrS4GxuPWyvE/edit?usp=sharing

*Project Plan and Design*

Requirements: Project requirements for submission

Risks: Design and deliverable definition lacks clarity

*Designing/Creating Dataset*

Requirements: Inspired by clinical data

Risks: I will not be able to make sufficient data to scale. Doctors typically have many patients that they take care of

*Setup Deployment Pipeline*

Requirements: Utilize GitHub to streamline code deployment

Risks: Lack of project/code security

*Develop Web Application*

Requirements: HTML, CSS, Javascript knowledge

Risks: Scope creep/unexpected changes

*Create Data Visualizations*

Requirements: Tableau knowledge

Risks: Lack of understanding of the healthcare industry and identifying relationships between data variables

*Setup Project Documentation*

Requirements: Document the development process and research conducted

Risks: Communication gaps and lack of transparency

*Test in the Dev Environment*

Requirements: Project has gone through the development phase and is ready for testing

Risks: Cross-platform compatibility and identifying many bugs

*Fix Bugs*

Requirements:  Tested the application and found bugs in the functionality

Risks: Short timeline for this task, there may not be enough time to fix all of the bugs

*Migrate to Production Environment*

Requirements: The application is ready to be moved into the prod environment

Risks: The application isn't stable

*Test in the Prod Environment*

Requirements: The project has been successfully moved to the prod environment

Risks: Finding additional bugs

*Project Delivery*

Requirements: The application has been tested and aligns with the project scope and requirements

Risks: Not enough time to complete the project or running into technology risks