***ReadMe File for Github***

**Team Members**

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| --- | --- |
| **Names** | **Roles** |
| Priyansh Patel | Developer/PM |
| Jashwanth Bayopathy | Developer |
| Lionel Allij | Developer |
| Avaneesh Mallavarapu | Developer |

**High Level Vision**

For medical practices who need a way to create appointments, view patients' data and charts. The Medical Practice Management is a practice management portal that allows patients to schedule appointments recent and future, allows the staff to view Doctor's schedules and availability, and allows doctors to view patient records. unlike other Medical Portal software products, Medical Practice Management focuses on accessibility and efficiency at a lower cost and faster process.

**First Iteration**

For the first iteration we are developing a UI and a charting page that displays all the patient’s information in an organised format.

**Stakeholders**

* Management
* Staff
* Doctors

**Rationale for Backlogs**

* Create a GitHub repo
* Create individual personas for all the stakeholders
* Research for an entry level UI for Practice management
* Collaborating with the other teams to understand their needs for any API that needs to be created first on our part.
* Come up with a design for the charting module so that the patients data is displayed in a systematic manner.
* Work on an API to share the data with other teams that have permission to do so.
* Work on scheduling and sending clinical alerts.
* Request personnel information from other teams to start on the charting module.
* Multiple means of documentation(optional)

The rationale behind the backlog is to create a workflow that helps our team to determine what we can start working on as the first iteration of the project. We would like to be in sync with other teams to create any API that they might need in order to meet any requirements that they might require.

**Link for Pivotal Tracker** : <https://www.pivotaltracker.com/n/projects/2467533>

**Personas**

**Name: Dr. Jim Rowland**

**Tagline**:All the patients should have easy access to all the medical services ion the most efficient way possible.

**Background:**

Age: 52  
 Role: Physician, Surgeon, Member in the board of directors

Field of Study: MBBS, PHD, MD , ENT Specialist

Level of Expertise: Very High

**Main Points**: He has is PhD in ENT and he has been the board member for over 10 years and he is also head of the ENT department

**Goals:** Provide the best experience to all patients, make sure all the patients that visit him get the best possible service and he always tries to give his patients the best possible treatment.

**Frustrations and Pain Points**: Can’t stand management and scheduling blunders. He is a busy man and always has something to do and if his time is wasted he gets frustrated as in this time he would rather treat someone who needs his help rather than sit ideal.

**Narrative**:He is a ENT specialist and always treats his patients with utmost care and concern. He cares about his job and takes it very seriously. He is constantly involved in the management’s efforts to make the hospital more efficient,systematic and more patient centric so that things run smoothly and nobody’s time is wasted.Apart from performing all the duties he has, he takes time to sit with staff and higher management and talk about current issues the patients are having facing. Every once in a month, he also meets with them to discuss new ideas and offers his support. Besides all this , he’s also a father of two beautiful children. He loves traveling with his family, and loves spending his free time in the gym

**How we can help**: With the system that is created there is a lot less paperwork and everything is available to the DR on a single click. It is easier for his patients to see when he is available and take appointments accordingly. This makes his work a lot easier and smooth.

**Name: Rohan Rattwani**

**Tagline**: He is an MBA from a major university and all he wants his all the departments of the hospital work in sync and the workflow is much smoother.

**Background:**

Age: 41  
 Role: Functional Manager

Field of Study:Btech, MBA

Level of Expertise: High

**Main Points**: He is a MBA graduate from a major university. He is a functional manager for the hospital and his job is to keep things running smoothly while keeping every department in sync.

**Goals:** Provide the best experience to all patients, and make sure all the departments have coordination between them.

**Frustrations and Pain Points**: The main things that hinder his working style is when he has to go around different departments to get answers when something changes or something happens.

**Narrative**:He is a MBA from a prestigious university and is currently a functional manager at the hospital. He has been a part of the hospital for almost 14 years now. He started his service as a staff manager and so he knows all the problems that the staff face and the problems that the patients face when they have to roam around the hospital to find answers for a certain issue that they have. He tries to get all the departments working in sync as much as he can as if the coordination is missing it creates unnecessary havoc and hinders the hospital's functioning.   
Apart from his job he is a sportsman by heart and loves his sports. He has a wife and they are expecting a baby. He loves to cook and his cute furry friend named pluto.

**How we can help**: With the system that is created there is less confusion. Everything is digital and is visible to the required departments. Every small feature is made digital and is assigned to the specific departments and this makes his job a lot easier and keeps the hospital department running in sync.

**Name: Beth Smith**

**Tagline**: She is a patient consultant and the head nurse in the emergency department. She cares about the patients that come in and looks forward to giving the best treatment possible.

**Background:**

Age: 29  
 Role: Head Nurse and Patient Consultant

Field of Study: Rutgers Nursing school Gold medalist

Level of Expertise: High

**Main Points**: She is a graduate from a famous nursing university. She is a patient consultant for the hospital and her job is to see patients that come in the emergency room and do an initial assessment so that the doctor has all the necessary information to treat the patient.

**Goals:** Provide the best experience to all patients, and make sure all the vital information are logged and ready before the doctor comes in to check the patient.

**Frustrations and Pain Points**: It's hard to keep track of patients and all their information during a major incident when there is a high influx of patients and the hospital is busy.

**Narrative**:She is a patient consultant and a gold medalist nurse. She has been a part of the hospital for almost 6 years now. She started her service as a nurse and so she also manages and consults patients. She is the first point of contact and has to check for the patient's vitals, keep notes of the allergies or any pre existing condition that they might have and provide this to the doctor before they diagnose anything. She also has to do checkup androunds to see if any patient that is admitted is going though the treatment assigned to them. Apart from her job she likes to spend time with her family and loves to binge watch movies and TV serials.

**How we can help**: With the system that is created, it makes her logs a lot more efficient and easy to track.. Everything is digital and she can keep tabs and change those if they need to be changed after the doctor’s advice.

**Definition of Ready**

* As front desk, I would like to view and schedule the next appointment for each patient if needed.
* As a doctor, I would like to know the family health history for each patient.
* As a patient, I would like to get reminders for the next appointment.
* As a doctor, I would like to know the information of the local pharmacy for each patient.
* As staff, I would like to have access to edit the information for new and current patients.
* As a doctor, I would like to get patient clinical alerts.
* As a staff, I would like to view the doctors' schedules and availability.
* As a doctor, I would like to have access to full progress notes of patients' visits.