

HealthHub

<h1> Introduction </h1>



Alex Bogdanowicz

Backend Developer

Jack Schulz Front-End Developer Roberto Noel Front-End Developer Ricardo Chacon Full-Stack Developer

<p2>Our Purpose</p2>

"Dual-Faceted approach to aid and assist patients and healthcare personnel"

<h2> Platform Requirements </h2>

- Core Requirements:
 - User Roles
 - Medical History
 - File Storage
 - Transaction Log

- Major Requirements:
 - Appointment Scheduling
 - Healthcare Forum
 - Automated Reminders

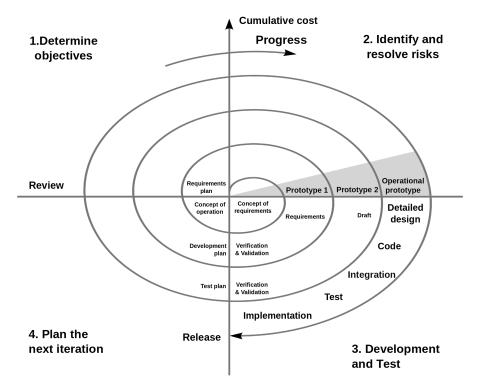


<h2>User Roles</h2>

- **Patients:** have the capacity to book appointments, check prescriptions, view medical history & files and recent checkup information, and interact on the forum.
- **Physicians:** have the capacity to view/schedule appointments, view/upload medical history files and recent checkup information, issue prescriptions, look up patients, interact on the forum, and create new forums.
- Nurses & Administrators



<h2>Software Development Methodology</h2>



Each Cycle:

- - Consider the win conditions of \bigcirc stakeholders
 - Identify + Evaluate alternate approaches 0
 - Identify and resolve risks that stem from 0 selected approach

Characteristics:

- Size: Medium
- Interactiveness: High Ο
- **Requirements: Stable** \bigcirc
- **Reliability: High** Ο
- Security: High
- Portability: Low/Medium Ο
- Cost: Low/Medium

<h2>Tools, Setup & Methodology </h2>

- Python, JavaScript, SQL, HTML/CSS (Grid!)
- Flask
- SQL Alchemy
- WTForms
- Jinjia
- Redis
- Celery





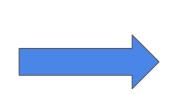






<h2>Front End</h2>





This Month's Newsletter	Jane Doe Lorern ipsum dolor sit amet, consectetur adipiseing oft. Fusee a volutoat mauris, of molestie lacus. Nam
Pablo Emilio Escobar Gavria (/ sskøbor/, 1 December 1949 – 2 December 1993) was a Colombian drug lord, narcoterrorist, and politician who founded and was the sole leader of the Medelin Cartel. Dubbed "The King of Cocaine", Escobar is the wealthiest	vestibulum sodales acio ut pulvinas.
criminal in history, having amassed an estimated net worth of US\$30 billion by the time of his death – equivalent to \$58 billion as of 2018 – while his drug cartel monopolized the cocaine trade into the United States in the 1980s and 1990s.[1][2] Born in Bioneoro and raised in Modellin. Escobar studied briefly at	Prinary Physician
Universidad Autónoma Latinoamericana of Medellin, bút left without graduating; he instead began engaging in criminal activity, selling illegal cigarettes and take lottery tickets, as well as participating in motor vehicle theft. In the early 1970s, he	This is a an info notice, it provides feedback of a neutral nature to the user.
began to work for various drug smugglers, often kidnapping and holding people for ransom. In 1976, Escober founded the Medellin Cartle, which distributed powder cocaine, and established the first smuggling routes into the United States.	This is a success notice, it provides feedback of a positive nature to the user.
Escobar's inflittation into the U.S. created exponential demand for cocaline, and by the 1980s, it was estimated Escobar led monthly shipments of 70 to 80 tons of cocaine into the country from Colombia. As a result, Escobar quickly became one of the richast people in the work(3214) but consistently battled rival	This is a worning notice, it provides feedback of a potentially negative nature to the user.
cartels domestically and abroad, leading to massacres and the marders of police officers, judges, locals, and prominent politicisms, [5] maying Colombia the murder capital of the world. [6] In the 1982 parlamentary election, Escobar was elected as an alternate member of the Chamber of Pepresentatives as part	This is an error notice, it provides feedback of a negative nature to the user.
of the Liberal Alternative movement. Through this, he was responsible for community projects, such as the construction of houses and football fields, which gained him popularity among the locals of the towns that he frequencies. However, Escobar	This is an error notice, it provides feedback of a negative nature to the user.
was villied by the Colombian and U.S. governments,[7] who routinely stilled his political ambitions and pushed for his arrest,	This is an error notice, it provides feedback of a negative nature to

Core Requirement: Medical History

- Physicians search for patients by last name, and then enter the new checkup information.
- Able to see past medical history at a glance to allow for easier recognition of change in a patient's basic checkup
- Patients are able to see their own checkup information, without the long process of requesting the files from the hospital.



Core Requirements: File Storage

- Medical Staff upload and can view files of patients
- Medical Staff have easy access to lab tests, medical reports etc, for each patient
- Patients are able to view their own medical files, without the difficult bureaucracy typically associated with requesting medical records.
- Patients are not able to upload their own files to maintain site security.



Core Requirements: Transaction Log

- Alembic
- High Portability
- High Security
- Difficult to copy our unique integration

of the EHR system

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Major Requirements: Appointment Scheduler

- User can schedule appointments for themselves only.
- Medical staff can add schedules for any patient through the patient search
- Upon creation of a schedule through any user a new row is populated and an eventually notification relating to the appointment is queued



Major Requirements: Social Forum

- Users can write forum posts and comment on said posts
- Users are able to subscribe to sub forums that related to them
- Users can see the top posts of the last day



Major Requirements: Automated Reminders

- In regards to prescription consumption our system offers users the option to receive notifications daily to remind them to take their medications
- When a patient has an upcoming appointment our system pushes an email notification to remind them of their upcoming appointment.

