Mid Project Review BillSyncEase

Group 1

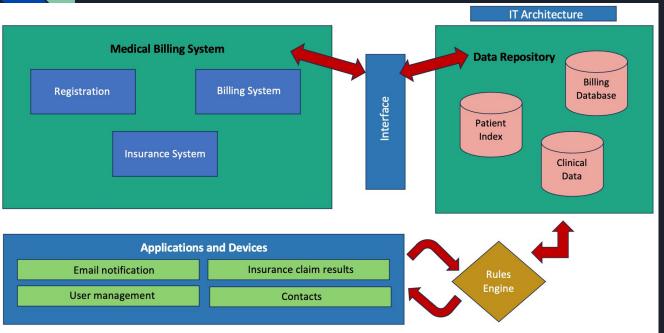
Objectives of the project

- -The main objective of the project is to develop a user-friendly medical billing system that allows patients to easily submit claims for insured healthcare services.
- -Aim to reduce the stress associated with healthcare costs, particularly for services that are not covered by universal healthcare in Canada, such as dental care, physiotherapy, and certain surgeries.
- -By providing a seamless platform for claim submission, the project seeks to improve accessibility to healthcare services and streamline the reimbursement process for both patients and healthcare providers.

Goals and Scope of the project

→ By the completion of the semester, we intend to have a functional prototype of our medical billing system, that allows users to interact with the platform and utilize the basic features

System Architecture



Data Repository:

Large database that is used to manage and store data for analysis

Clinical data

- Medical history

Patient index

- ID, contacts Billing database
 - Addresses, receipts

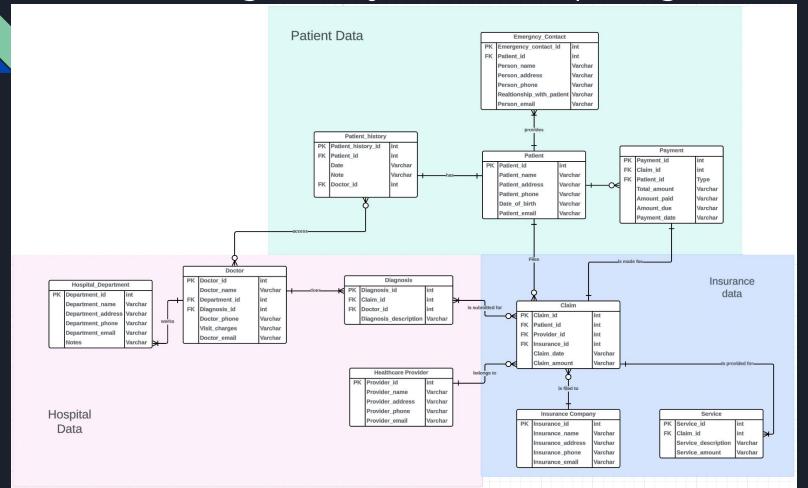
Applications and devices:

Functions that will be in the app

Rules Engine:

Deals with authorization and rules

Database Design Entity Relationship Diagram



User Flow Diagram - View claim



Bob

Age: 31 cupati

Occupation:

Construction worker
Address:

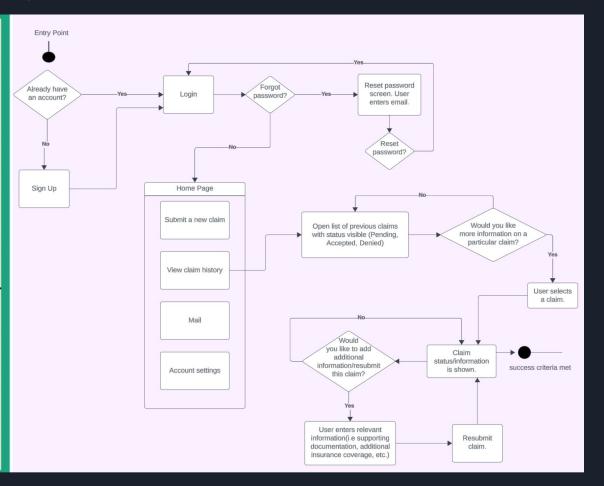
25 Poseidon Bay, Winnipeg, MB R3M 3E4

Objective

As a construction worker, I want to view my previous claim relating to a work injury so that I can provide additional information as needed and comply with return to work policy.

Task Analysis

- Login or create account
- · Password reset
- · View all previous claims
- Select a particular claim
- · See status of claim
- See information about the selected claim
- Add relevant additional information to claim
- · Resubmit claim



User Flow Diagram - Submit claim



Melissa

Age: 24

Occupation: Student

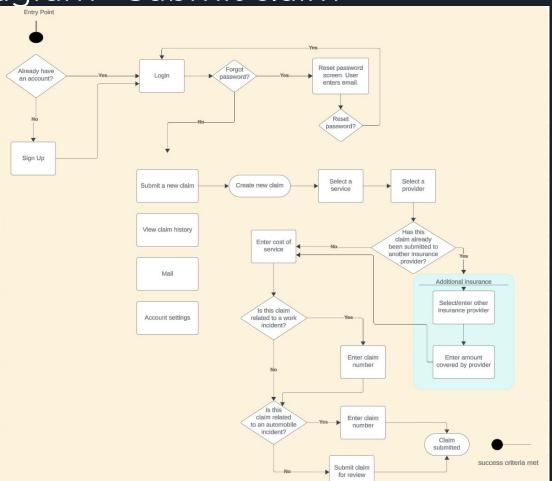
Address:

109 Sidney Smith St, Winnipeg, MB R3T 2M6

Objective

As a student, I want to submit claims to my secondary insurance agency for a recent injury so that I can be financially compensated and budget accordingly.

- · Login or create account
- · Password reset
- · Generate a new claim file
- · Search for a service and select
- Search for a provider and select
- Gather information about additional insurance
- · Enter cost of service
- Determine if this claim is associated with other relevant claims
- · Submit claim



Product Backlog

	A		C C	U	L		- G
3 :		Customer	Create an account easily	So i do not have to remember many login credentials	High	1	Done
4 2			Access and view my billing statements online	Monitor charges and payments conveniently	High	1	Done
5 3			Send and view emails to insurance companies and doctors	See replies to my queries	High	1	Done
6			Easily enter and update my insurance information online	Ensure accurate billing and avoid claim denials	High	1	Done
7 5			Acces, download and upload my bills or any important PDFs	Easily track all my records in a compiled form	High	1	Done
8 6				Ensure accurate record keeping and billing processes	High	1	Done
-					-	1	A CONTRACTOR OF THE PARTY OF TH
9			Verify insurance eligibility and coverage for patients	Ensure proper billing and reimbursement	High	1	Done
10 8	3	Administration	Generate and send electronic claims to insurance companies	Expedite payment processing and reduce administrative burden	High	1	Done
11 9)	Customer	Receive email notifications for upcoming payments	Stay informed about billing deadlines	Medium	1	Done
12	LO	Customer	Set up automatic payment options	Simplify the payment process and avoid late fees	Medium	2	Done
13	L1 .	Administration	Track outstanding claims and follow up on unpaid invoices	Improve revenue cycle management and cash flow	Medium	2	Done
14	L2 .	Administration	Generate detailed billing reports for financial analysis	Evaluate performance and identify areas for improvement	Medium	2	Done
15	L3	Customer	View explanations of benefits (EOBs) online	Understand insurance coverage and billing details	Medium	2	Done
16	L4 (Customer	Submit billing inquiries or disputes online	Resolve billing issues efficiently	High	2	Done
17	L5 .	Administration	Integrate with Electronic Health Record (EHR) systems	Streamline data entry and minimize errors	High	3	In Progress
18	16	Administration	Receive real-time updates on claim statuses from insurance companies	Monitor claim progress and resolve issues promptly	Medium	3	In Progress
19	17	Customer	Provide feedback on billing experiences through online surveys	Help improve billing processes and customer satisfaction	Medium	3	To be started
20 2	18	Customer	Access historical billing data and invoices online	Keep track of past payments and expenses	Medium	3	To be started
21	L9	Customer	Access billing support resources and FAQs online	Find answers to common billing questions easily	Low	4	To be started
22	20	Customer	Receive personalized billing assistance from customer service representatives	Resolve complex billing issues with expert help	High	4	To be started
23	21	Administration	Customize billing templates for different specialties and procedures	Tailor billing processes to specific practice needs	Low	4	To be started
24	22	Administration	Utilize coding assistance tools for accurate code selection	Ensure compliance with coding standards and maximize reimbursement	High	4	To be started
25	23	Administration	Implement automated payment posting from insurance companies	Reduce manual data entry and improve efficiency	Medium	5	To be started

Prototype



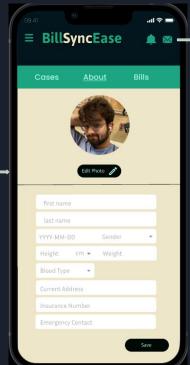


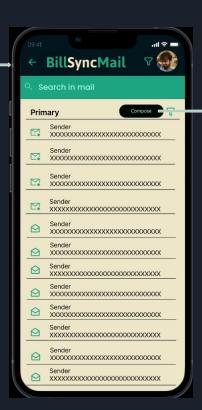


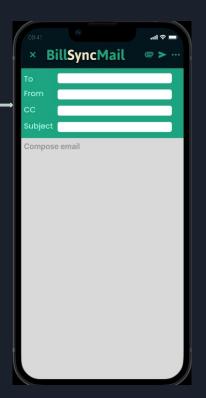


Prototype 2/5





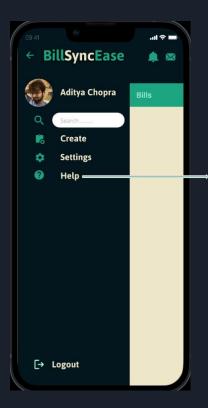


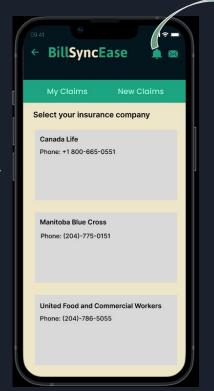


Prototype 3/5

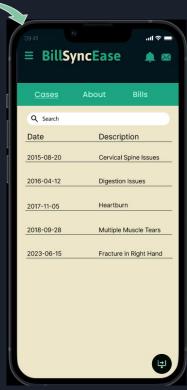


Prototype 4/5









Prototype 5/5



More coming Soon.....