MedEx

A full stop for all your medical needs.

Introduction

What's MedEx?

MedEx is a platform that provides for people through validated purchases online. All the way from the purchase to the validation, to the delivery, to the quality check, we take care of it.

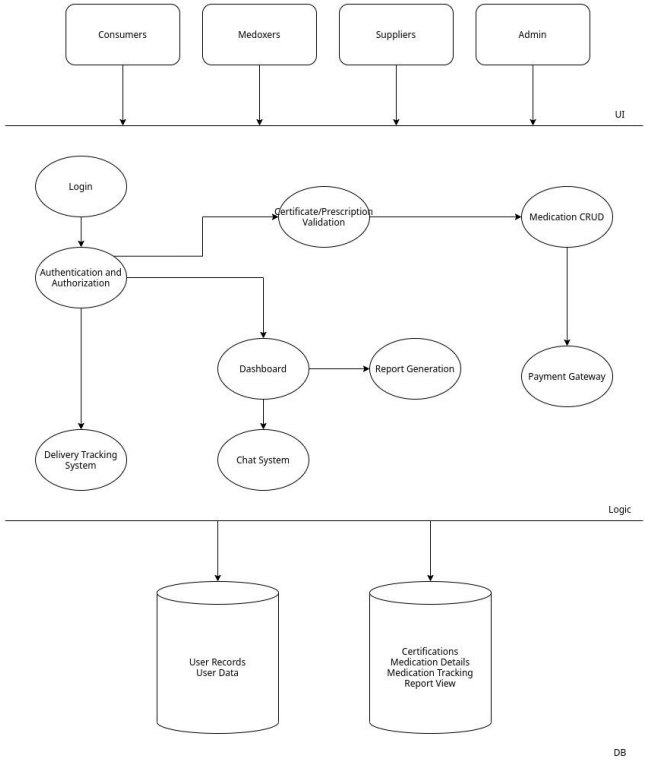
Providing a dedicated Medoxer for a community, we mimic the status of a family doctor, for both purchase, and validation.

Internal Architecture

System Architecture Design

Depicting a system that people use to abstract the software system's overall outline, MedEx has a system architecture diagram in place.

With rising demand for a clear overview of the system requirements, and the process of working with the different layers, the architecture diagram assists in the formation of a roadmap to development.



Technologies used

Version Control System, **Git**.

Code Hosting and Deployment Pipeline, **GitHub**.

NoSQL Database, **MongoDB**.

Cloud Provider, **Amazon Web Services**.

Cloud Architecture Type, **Infrastructure-as-a-Service**.

Deploying to the cloud

Components Used

Netlify - The DNS Management Service.

Amazon EC2 - The Compute Cloud/Server utilized.

MongoDB - A NoSQL database that we retrieve data from.

AWS IAM - Identity and Access Management.

Netlify

Netlify is a service that provides users the ability to host their static webpages.

Additionally, it also provides a well set up DNS that is easy to use, free of charge, and has the ability to provide SSL certificates for domains as well.

Amazon EC2

Amazon EC2 is a cloud computing platform that can be scaled to meet demand.

It is the service that is provided from AWS that we are using to host MedEx, our MERN stack application.

MongoDB

MongoDB is an open-source, non-relational database that is widely used for NoSQL requirements.

Aside from that, the feature set that MongoDB offers allows for users to not fall into a vendor lock-in system much like what AWS offers with DynamoDB.

AWS IAM

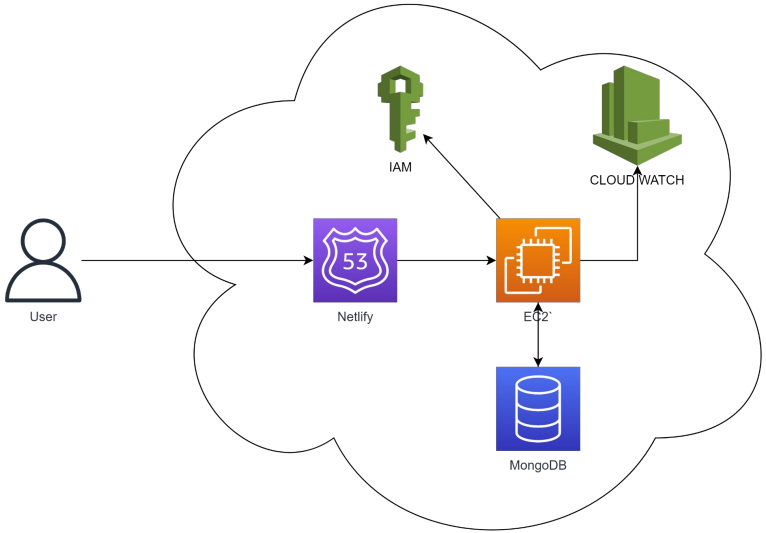
The Identity and Access Management service of AWS is what we use for the administration to check into the AWS resources.

AWS CloudWatch

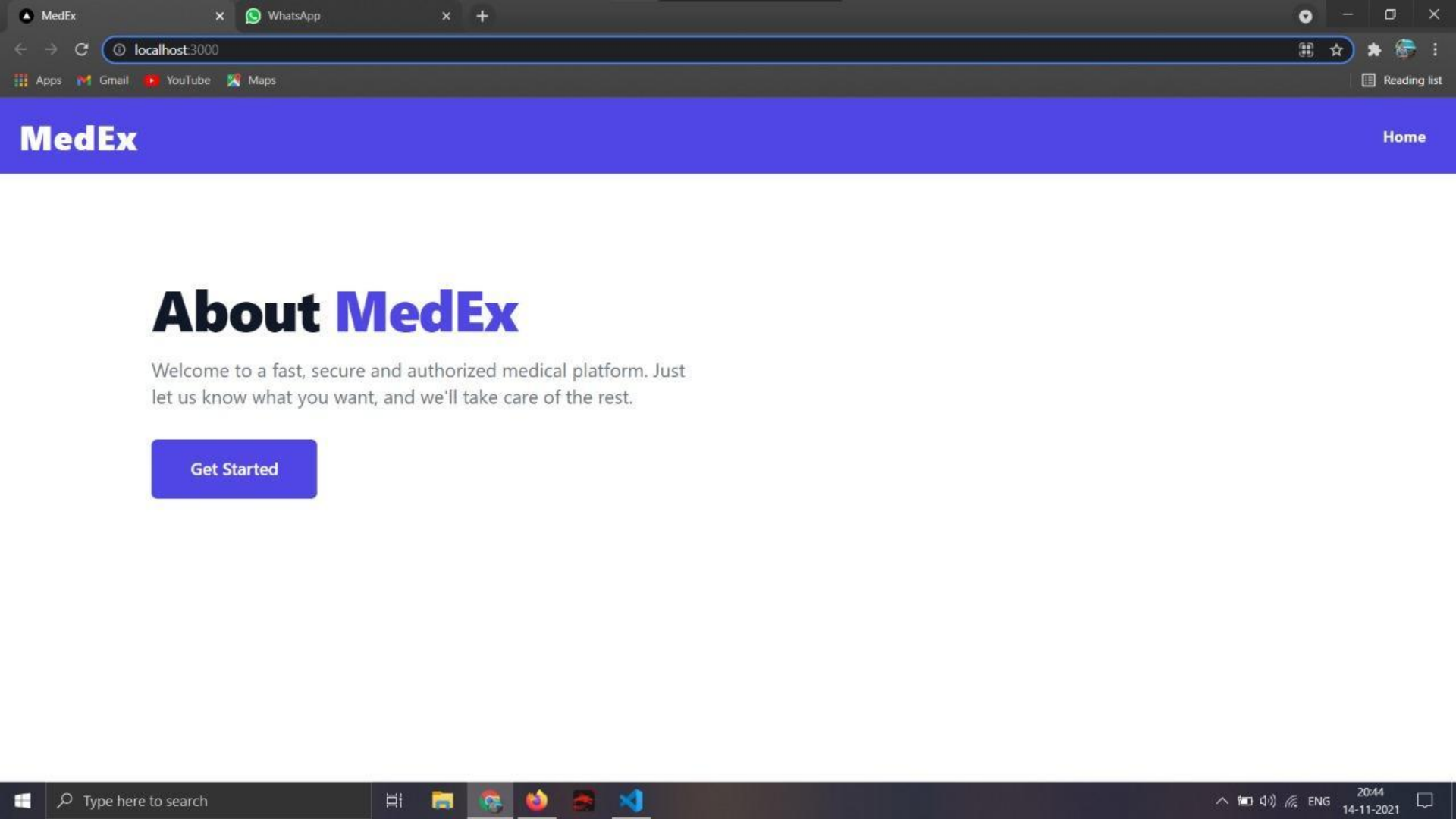
CloudWatch is a monitoring agent provided by AWS, for us to track and trigger alerts as and when a particular resource is being overworked, or if costs are piling up.

Cloud Architecture

We set up MedEx to function as a web server, and decided that AWS could be a great provider with the free tier features that it provisions it's users with.



Project Outlook


MedEx
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Maps
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Home
About MedEx
Welcome to a fast, secure and authorized medical platform. Just let us know what you want, and we'll take care of the rest.
Get Started
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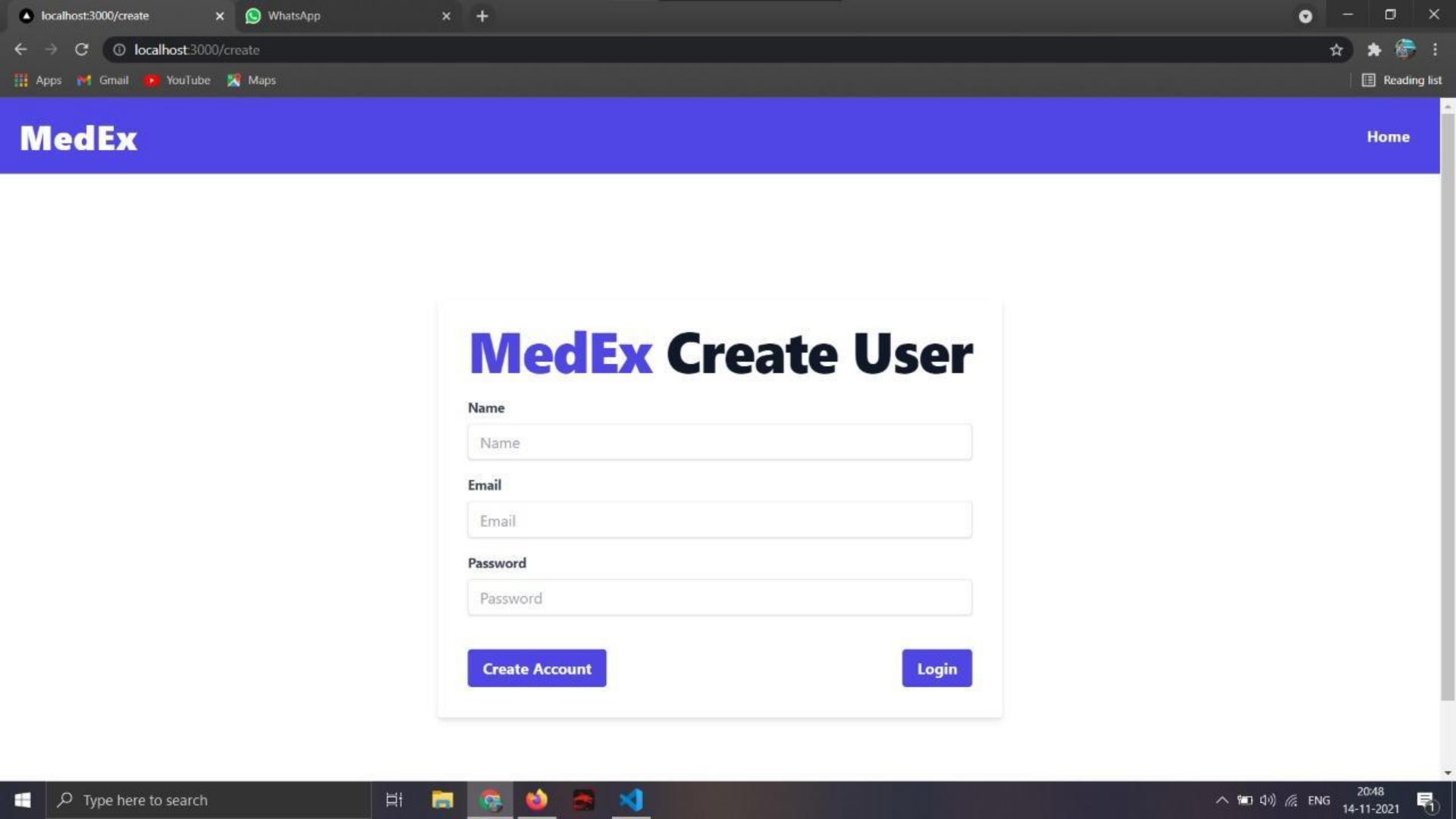
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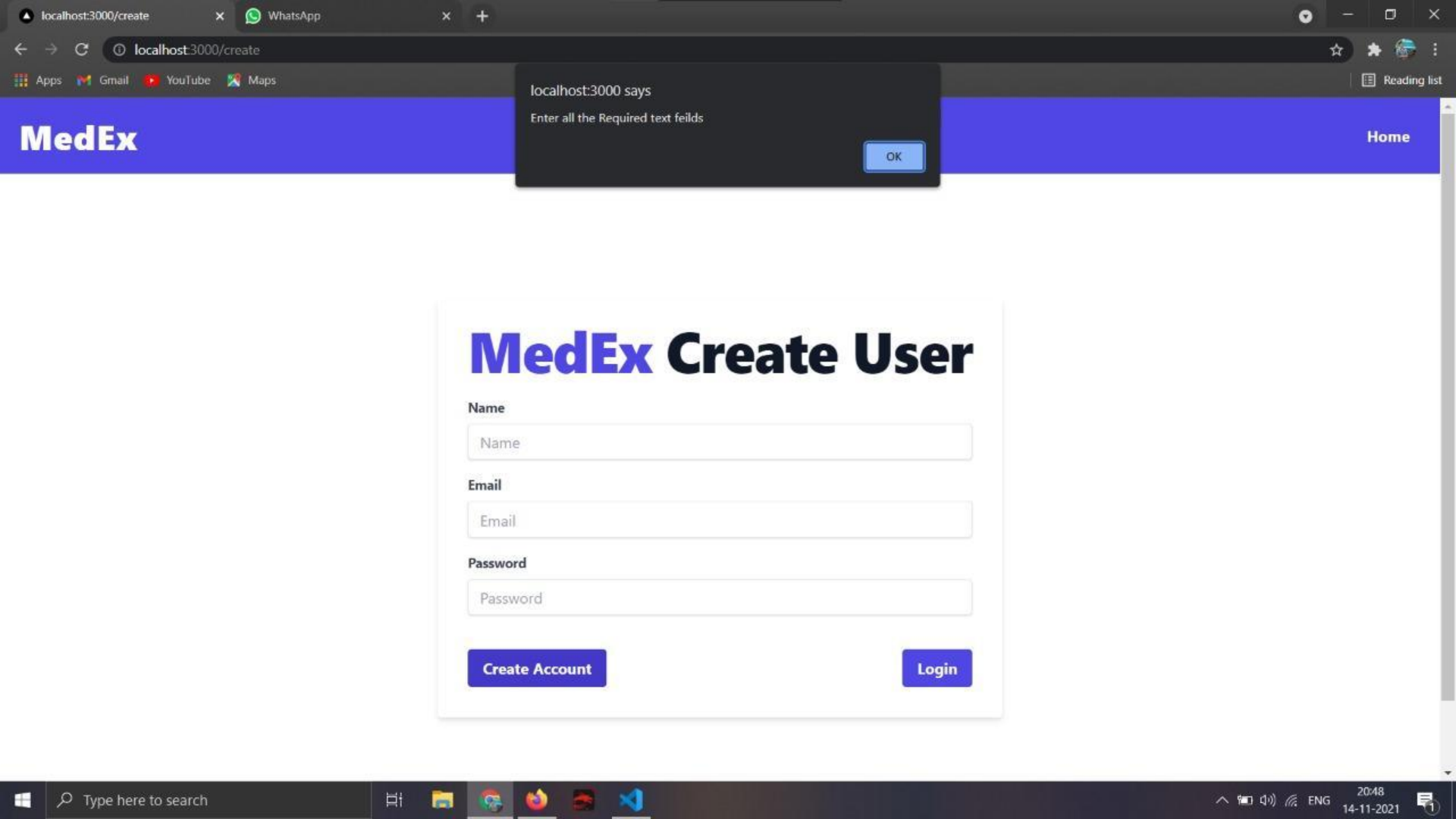
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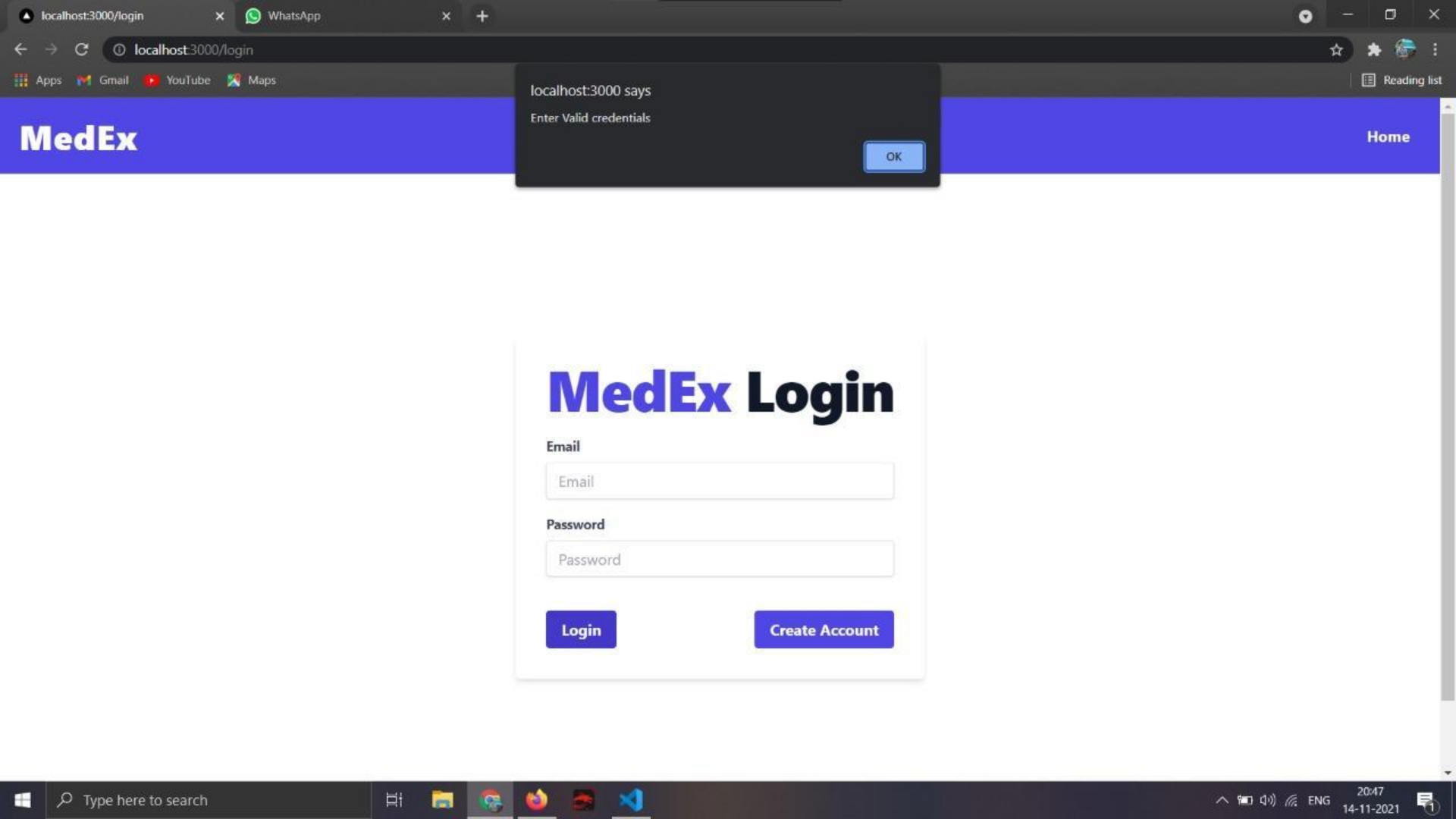
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Password
Password
Login
Create Account
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MedEx

Home

Medicine name

Add Medicine logout

paracetamol

mankind

Paracetamol is a common painkiller used to treat aches and pain

Buy Delete

antiseptic

Benzoxonium

An antiseptic indicated in skin disinfection and prevention of infections.

Buy Delete

pain killer

Etoshine

a drug or a medicine for relieving pain.

Buy Delete

levothyroxine

Synthroid

Levothyroxine is used to treat an underactive thyroid (hypothyroidism).

Buy Delete

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common medicine - Google Sea
ventolin hfa - Google Search
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Gmail
YouTube
Maps
Reading list

localhost:3000 says

user is logged out

OK

MedEx

Home

Medicine name

Add Medicine

logout

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mankind

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Buy Delete

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Buy Delete

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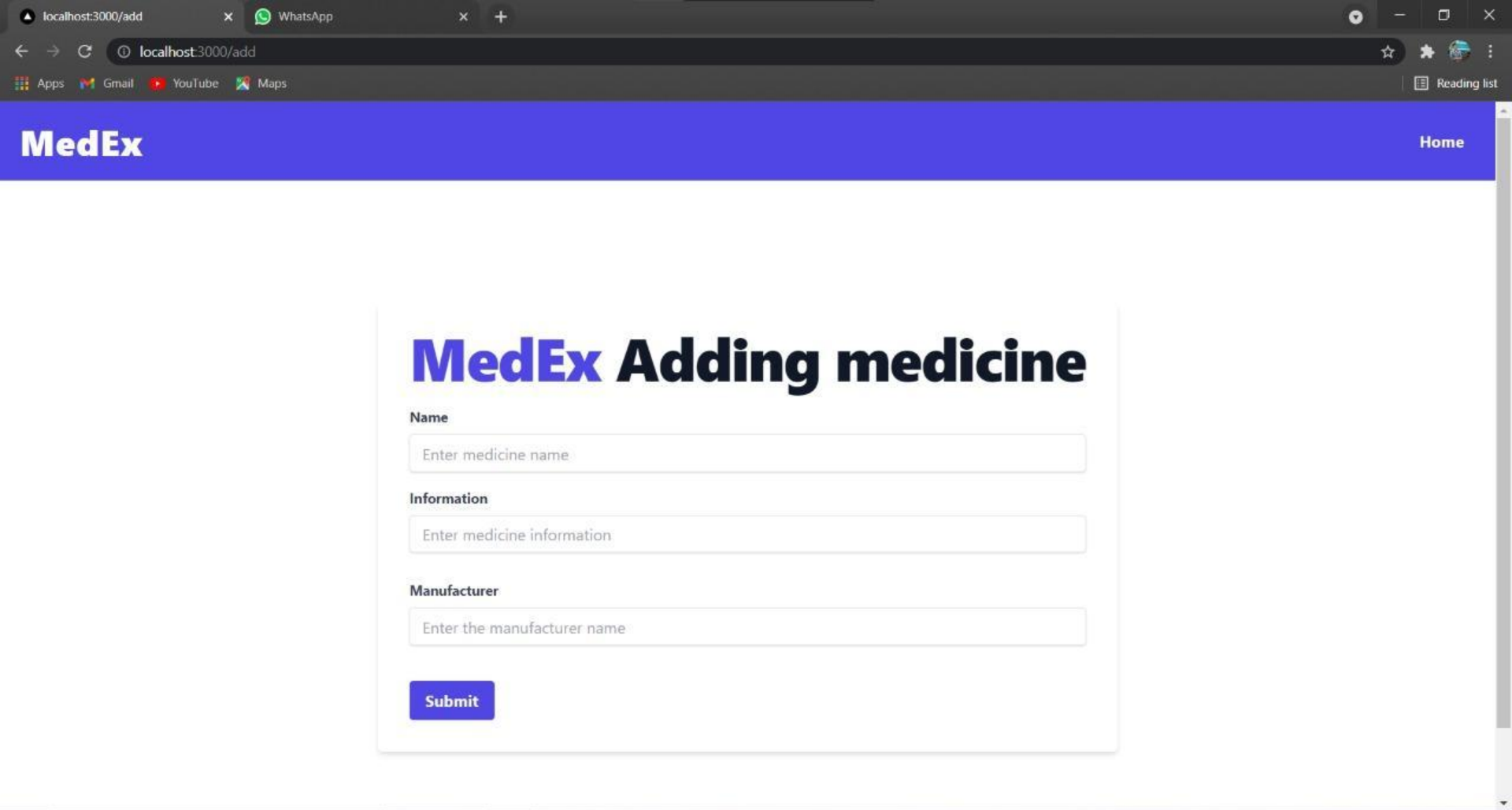
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Submit
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Thank you!