VISULYFE

CS 3337-03 202301
Group # 4
Team Members:
Adam Dixon, Fernando Serrano Perez, Geovanny Montano,
Jacob Hertz, Nicholas Trigueros, Ryan Torrez, Steven Partida,
Washika Afrozi

ROADMAP

Planning Increment 24.2 ⑧ Mar 30 - May 10 `Current` ···

Sat, Mar 30 - Fri, May 10

7	⊙ v1.0 Visulyfe Launch #11
8	⊙ Epic: Web Application Feature Completed #10
9	⊙ Technical Feature: Database #14
10	⊙ Feature: User Profile #7
11	⊙ Feature: Front Facing Website/UX/UI #31
12	⊙ Feature: Data Visualization #18
13	⊙ Technical Feature: Security #61
14	⊙ Technical Feature: BUG FIXES #73
+	Add item

⊙ v1.0 Visulyfe Launch #11

⊙ Epic: Web Application Feature Completed #10

⊙ Technical Feature: Database #14

⊙ Feature: User Profile #7

⊙ Feature: Front Facing Website/UX/UI #31

⊙ Feature: Data Visualization #18

⊙ Technical Feature: Security #61

⊙ Technical Feature: BUG FIXES #73

Ryan

Sprint Review – Sprint 24.2.6

Feature	Work Item	Completed	In Progress	Not Started
Documentation	● Documentation: Backlog Organization	X		
Feature: Front Facing Website/UX/UI	● User Story: Picture/Emoji Assignment		X	
Feature: Front Facing Website/UX/UI	● Technical Story: Inline Frame the Graph ● Technical Story: Customization Bar Functionality	X		
Feature: Data Visualization	● Technical Story: Load Files From Api ● User Story: Colored Graphs	X		
Technical Feature: Security	● Technical Story: Cyber Penetration Testing Round 3	X		
Feature: Data Base	● User Story: User Dataset Deletion ● Technical Story: Load Datasets Uploaded to Database		X	

Ryan

Sprint Retrospective

What went well	What to improve	What to stop
- Collaboration on code - Meeting deadlines - Maintained regular and effective communication through scrums - Delivered high quality work - Team flexibility and adaptation - Communicating when code should be pushed to test branch or main branch	- Technical Skills/knowledge - Enhance code clarity through comments - Agile terminology	Poor code documentation

Nick

Planning Increment Review – PI 24.2

24.0 Completed	24.1 Completed	24.2 Completed
Documentation: Product Proposal	Documentation: Software Requirement Documentation	Feature: User Profile
Documentation: Change Management Process	Documentation: Software Design Documentation	Feature: Data Visualization
	Documentation: Software Test Plan	Feature: Front Facing Website/UX/UI
		Feature: Database
		Technical Feature: BUG FIXES
		Technical Feature: Security
		Epic: Web Application Feature Completed
		Version 1.0 Visulyfe Release

Geo

PI Retrospective

What went well	What to improve	What to stop
- Improve communication through scrums - Scheduling improvement - Understanding Framework (Flask)	- Using Agile terminology in our meetings - Documentation Alterations - Break Down/Add to Backlog	Prioritizing things that are not top priority.

Geo

Sprint

1	Back-end Front-end user story	⊙ User Story: Picture/Emoji Assignment #85	🟢 wafrozi	In Progress	Sprint 24.2.6
2	Back-end technical story	⊙ Technical Story: Load Datasets Uploaded to Database #38	😊 AdamDixon00 and f...	In Progress	Sprint 24.2.6
3	Back-end Front-end user story	⊙ User Story: Customization Bar Buttons #81	😊 AdamDixon00 and f...	Done	Sprint 24.2.6
4	Back-end technical story	⊙ Technical Story: Customization Bar Functionality #88	😊 AdamDixon00 and f...	Done	Sprint 24.2.6
5	Front-end technical story	⊙ Technical Story: Customizability #35	🟣 spartid9	Done	Sprint 24.2.6
6	Back-end Front-end user story	⊙ User Story: Colored Graphs #4	😊 AdamDixon00, geo...	Done	Sprint 24.2.6
7	Back-end Front-end technical story	⊙ Technical Story: Inline Frame the Graph #82	😊 AdamDixon00 and f...	Done	Sprint 24.2.6
8	Back-end Database Front-end tech	⊙ Technical Story: Cyber Pentation Testing Round 3 #84	🟢 NiqTee	Done	Sprint 24.2.6
9	documentation	⊙ Documentation: Backlog Organization #43	😊 AdamDixon00	Done	Sprint 24.2.6
10	Back-end Database Front-end tech	⊙ Technical Story: Load Files From Api #90	😊 AdamDixon00	Done	Sprint 24.2.6
11	Back-end Database user story	⊙ User Story: User Dataset Deletion #17	😊 AdamDixon00	Done	Sprint 24.2.6

Washika

Introductions

<u>Development Team:</u>

Front-end:

- Washika Afrozi
- Ryan Torrez - Scrum Master
- Steven Partida

Back-end:

- Jacob Hertz
- Geovanny Montano
- Fernando Serrano Perez
- Nicholas Trigueros

Database:

- Adam Dixon - Product Owner

Some overlap happened, but these are the general roles everyone had

https://github.com/csula-cs3337swe/202401Group4-repo/tree/main

Washika

Vision

Customer:
Individuals seeking visual graphs of data.
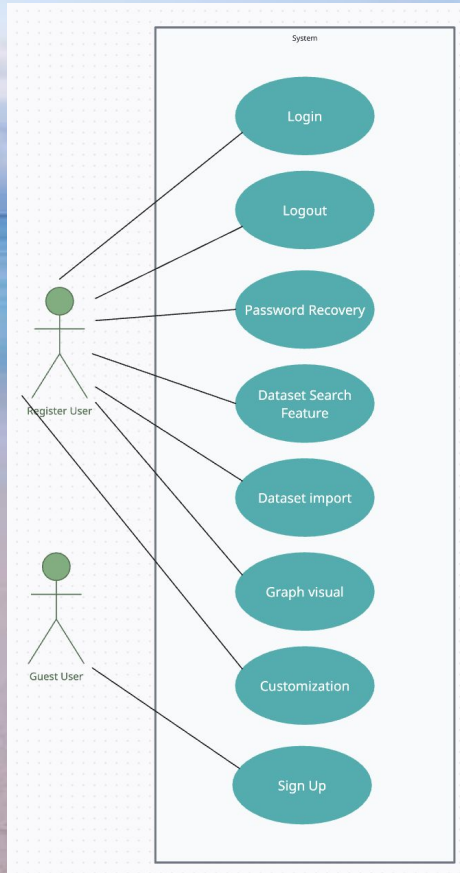
Problem:
Very few user-friendly data visualization tools exist on the internet and many individuals aren't skilled enough to translate data into graphs using software like excel.
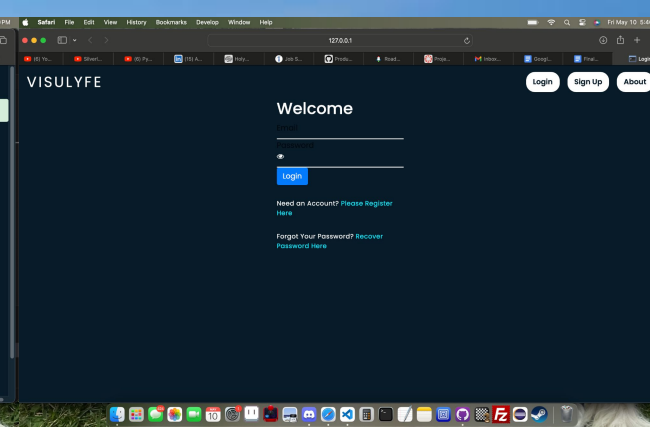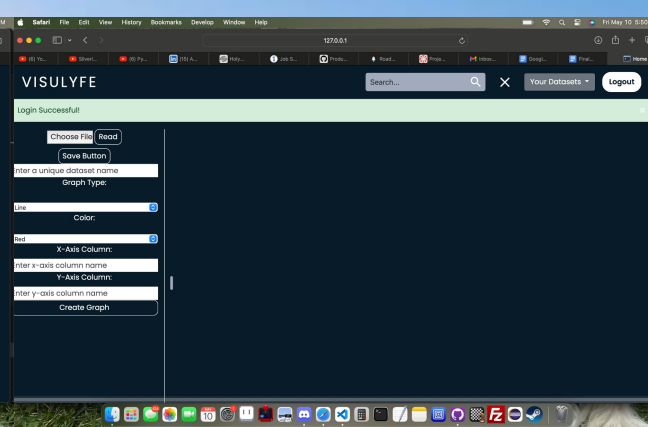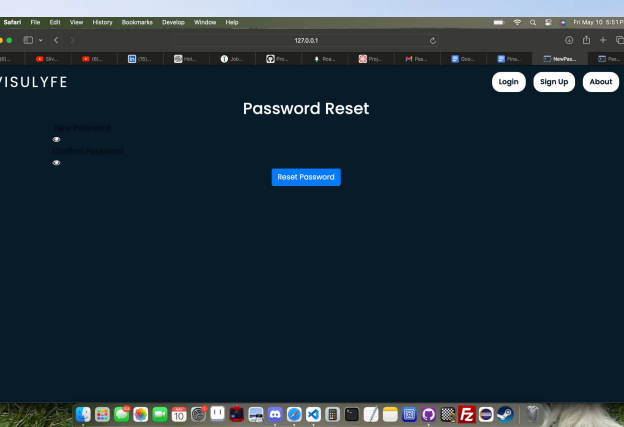
Digital Solution:
We created a web application that creates and displays graphs using uploaded datasets
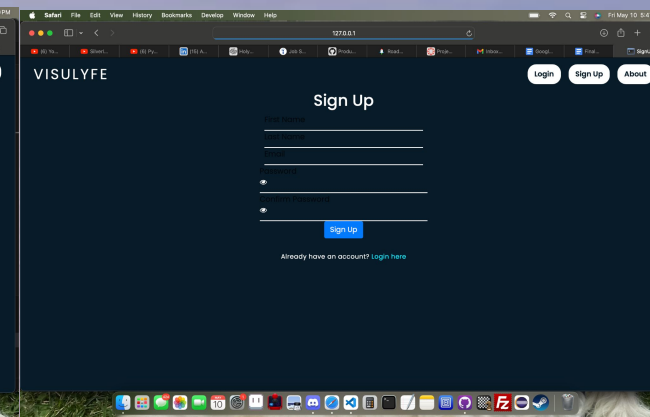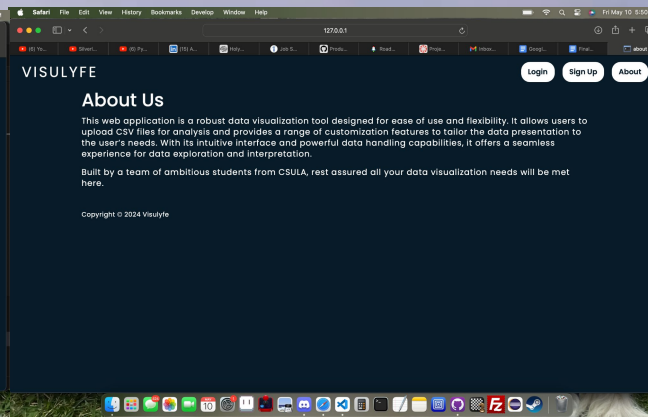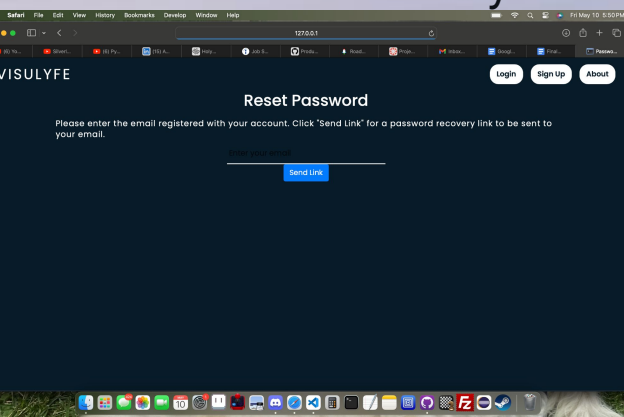
Steven

Requirements

Use Case Diagram:

Steven

Use Case Pictures:

Password Reset

VISULYFE | Login | Sign Up | About

Password Reset

Reset Password

Home Page

VISULYFE | Search... | Your Datasets | Logout

Login Successful!

Choose File | Read
Save Button
Enter a unique dataset name
Graph Type:
Line
Color:
Red
X-Axis Column:
Enter x-axis column name
Y-Axis Column:
Enter y-axis column name
Create Graph

Login

VISULYFE | Login | Sign Up | About

Welcome

Login

Need an Account? Please Register Here

Forgot Your Password? Recover Password Here

Password Recovery

VISULYFE | Login | Sign Up | About

Reset Password

Please enter the email registered with your account. Click "Send Link" for a password recovery link to be sent to your email.

Enter your email
Send Link

About Us

VISULYFE | Login | Sign Up | About

About Us

This web application is a robust data visualization tool designed for ease of use and flexibility. It allows users to upload CSV files for analysis and provides a range of customization features to tailor the data presentation to the user's needs. With its intuitive interface and powerful data handling capabilities, it offers a seamless experience for data exploration and interpretation.

Built by a team of ambitious students from CSULA, rest assured all your data visualization needs will be met here.

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Sign Up

Sign Up

Already have an account? Login here
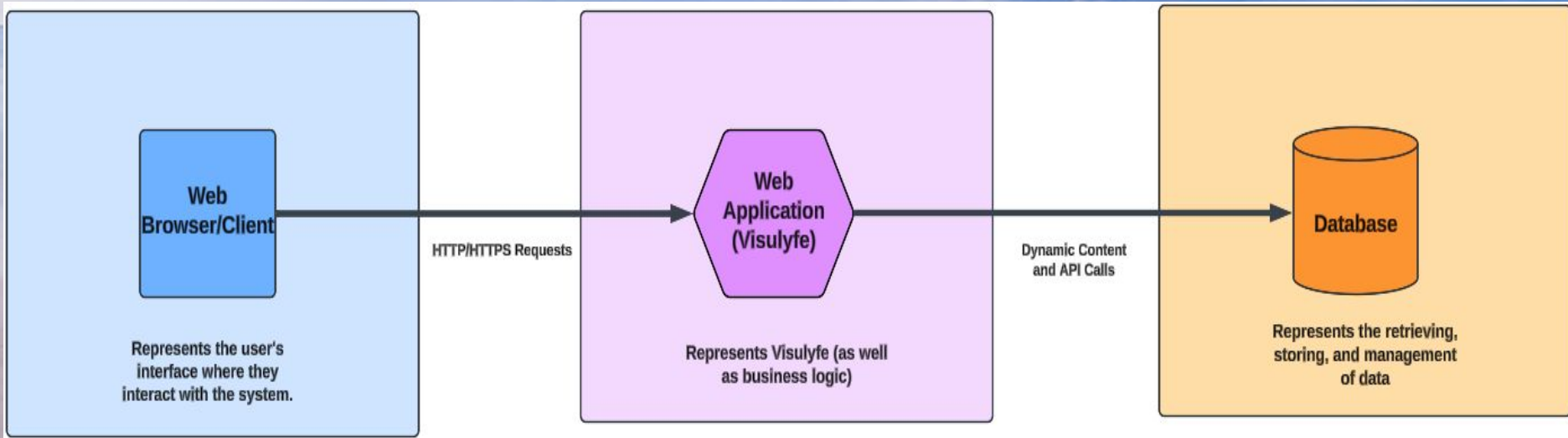
Architectural Design

Model-View-Controller Diagram:
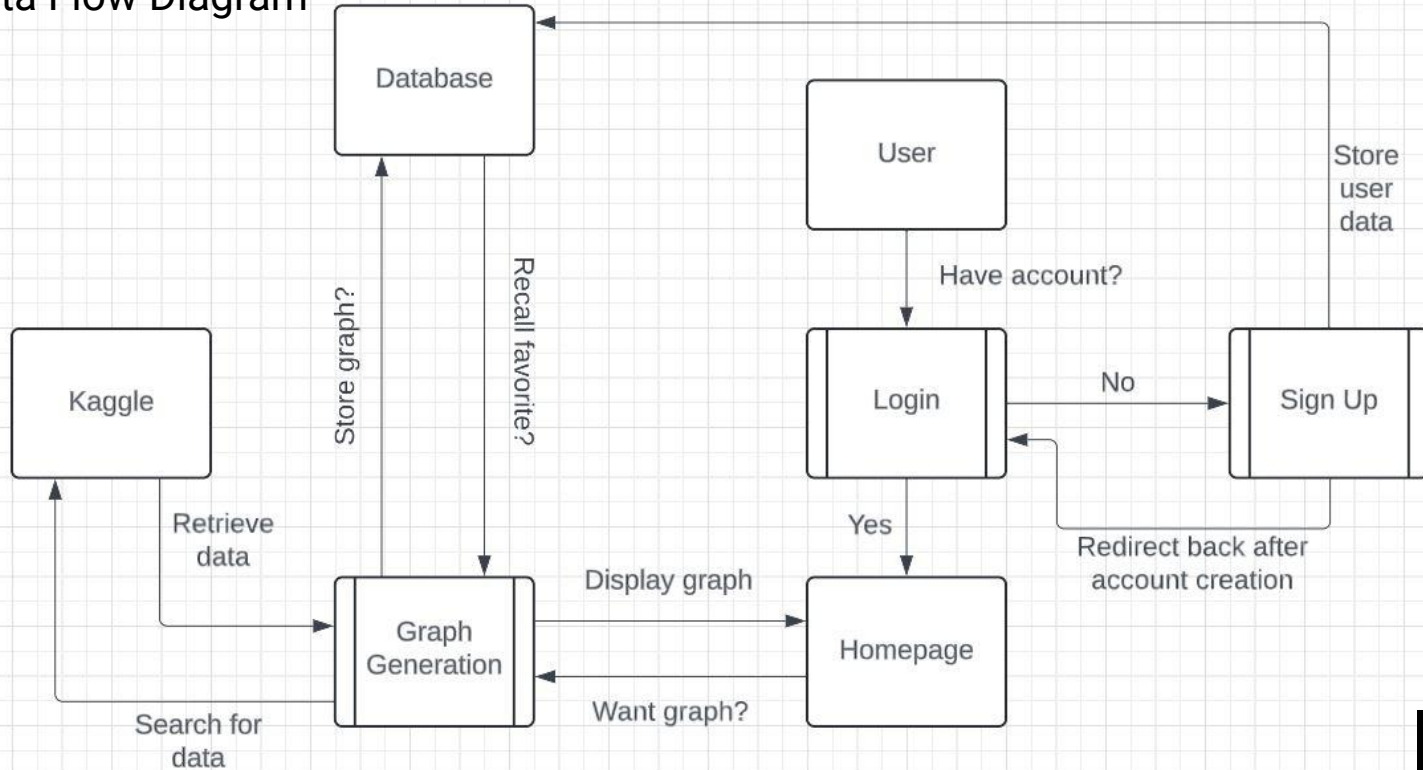

Nick

Detailed Design

Technologies:
- Visual Studio Code
  - Coded with Python, HTML, SQL
- GitHub
  - Work collaboratively with others
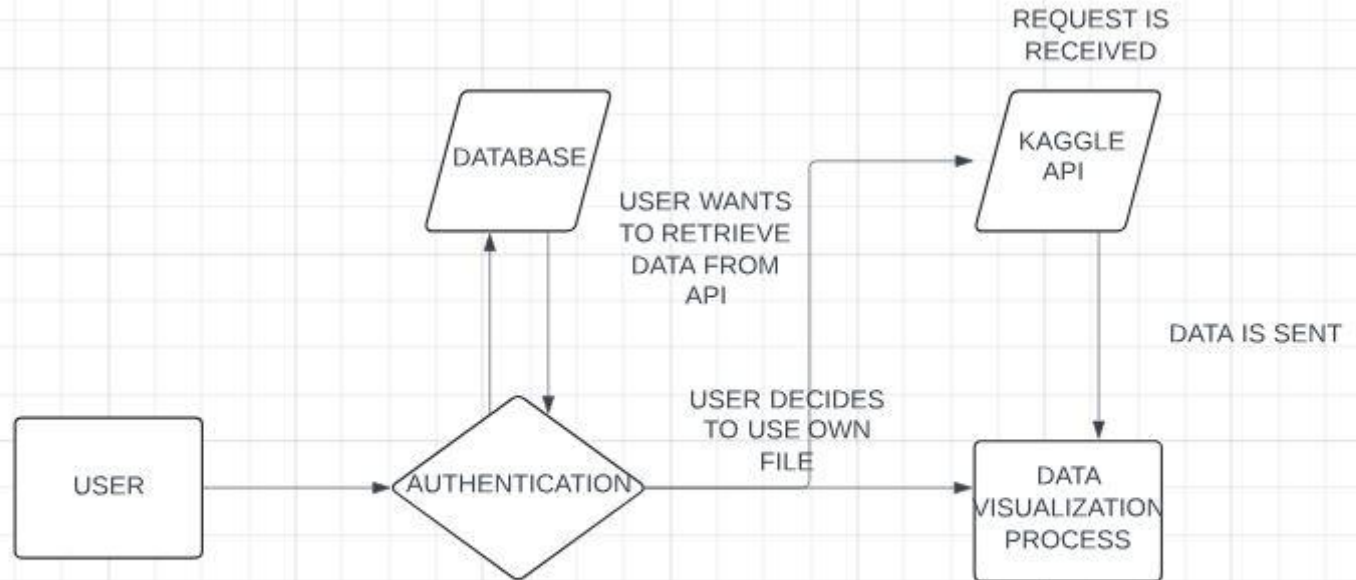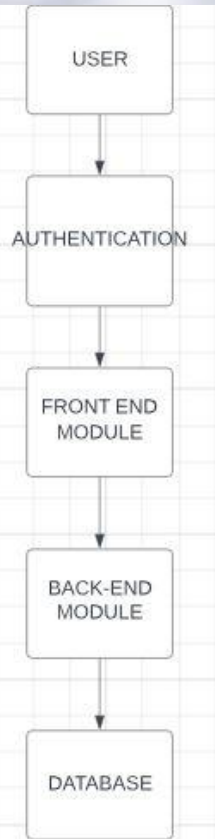 - Roadmap and backlogs visualized here

Coding Libraries:
- Flask v3.0.2
- Flask-Login v0.6.3
- Flask-SQLAlchemy v3.1.1
- Kaggle v1.6.8
- SQLAlchemy v2.0.28
- Werkzeug v3.0.1
- Jinja2 v3.1.3
- Requests v2.31.0
- Python-slugify v8.0.4
- Click v8.1.7
- Itsdangerous v2.1.2
- Six v1.16.0
- Flask-Mail v0.9.1
- Pandas v2.2.2
- Plotly v5.21.0

Fernando

Detailed Design

Data Flow Diagram

Jacob

Detailed Design

Jacob

Lessons Learned

- Everyone's first time creating an app like this
- Everyone's first time working within the Agile workflow
  - Learn to match Agile terminology to action or idea
- Everyone has different strengths
- Don't be afraid to ask for help
- Leave comments on code for easier comprehension
- Do more prep work for the task at hand
  - Or dial back the scope of the task before committing

Fernando

Roadmap

24.0 Completed	24.1 Completed	24.2 Completed	Future Enhancements
Documentation: Product Proposal	Documentation: Software Requirement Documentation	Feature: User Profile	User tutorial
Documentation: Change Management Process	Documentation: Software Design Documentation	Feature: Data Visualization	Settings
	Documentation: Software Test Plan	Feature: Front Facing Website/UX/UI	New Graph options
		Feature: Database	BUG FIXES
		Technical Feature: Security	Picture/Emoji Assignment
		Epic: Web Application Feature Completed	Further User Security & Safety
		Version 1.0 Visulyfe Release	Adam

Demo

https://qxxakp3fvb.us-west-2.awsapprunner.com

Adam