

# Who we are

We are the Programming Pioneers and we are a group of ambitious individuals who aim to make the world a better place through technology. We have developed a web application that will indeed benefit individuals of all ages, regardless of technological background. Our application helps with building business models and plots super easy. This is EasyPlots!

Members:

1. Vincent Mays
2. Tai Britt
3. Mark Bird
4. Jason Cook

Demo Date: 04/08/2024

External Links:

<https://github.com/vpmays/ProgrammingPrioneersRepo.git>

# EASYPLOTS

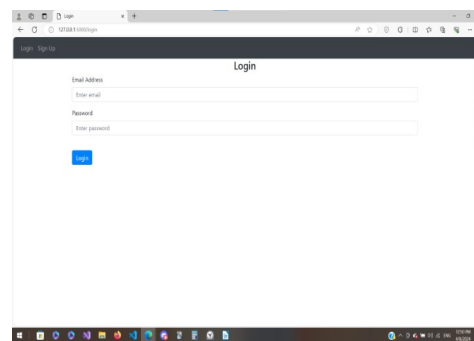
## BY: The Programming Pioneers

# Features

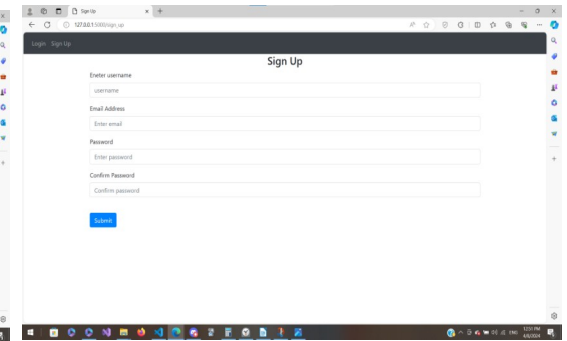
1. Easy to use Graphical interface: Any individual of any technological background can sign up and access our web application in no time, with our easy to navigate web pages.
2. Account creation is quick and easy: all that is needed is an email address and a password, which follow certain criteria.
3. Login is as easy as account creation: Just needing the email address and password associated with the account.
4. Database: Stores the user accounts email and password in a database, providing a 1 to many relationship, meaning only one account can be linked to only one email address.
5. CVS upload: User can upload a current CVS file that is only their local machine and use that data to display a chart of their choosing from the templates provided.
6. Templates: User can select from a variety of plots to which to push their CVS data to.
7. Editing: User can directly add data to their existing plot/edit things such as titles, x-axis, and y-axis.
8. Statistical analysis: Statistical analysis can be run to analyze the current plot data to help the user understand what the graph is representing, which can help in projecting revenue for small business, or some other calculations and projections
9. Saving and logging out: The user can safely save their plots and log out to extend security.

## Screen Shots of Real Time Application

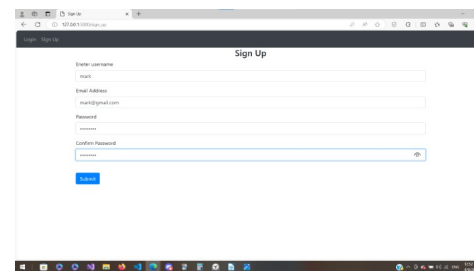
Login/Home Page

A screenshot of a web browser showing the 'Login' page. The page has a dark header with 'Login' in the center. Below the header, there are two input fields: 'Email Address' and 'Password'. A blue 'Login' button is positioned below the password field. The browser's address bar shows 'http://127.0.0.1:5000/login'.

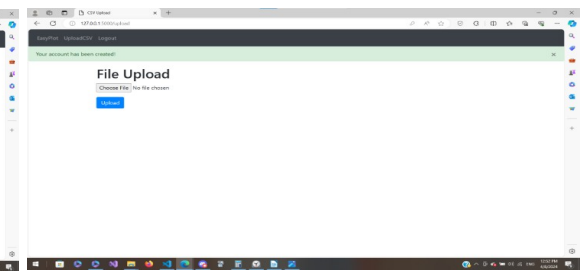
Sign-Up Page

A screenshot of a web browser showing the 'Sign Up' page. The page has a dark header with 'Sign Up' in the center. Below the header, there are four input fields: 'Enter username', 'Email Address', 'Enter password', and 'Confirm Password'. A blue 'Sign Up' button is positioned below the 'Confirm Password' field. The browser's address bar shows 'http://127.0.0.1:5000/signup'.

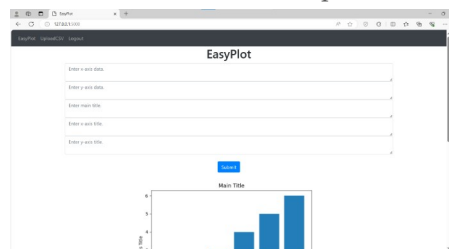
Sign-Up Page with Credentials

A screenshot of a web browser showing the 'Sign Up' page with credentials filled in. The 'Email Address' field contains 'mark@gmail.com', the 'Password' field contains 'password', and the 'Confirm Password' field contains 'password'. The blue 'Sign Up' button is visible at the bottom.

After login, CVS upload screen

A screenshot of a web browser showing the 'File Upload' screen. The page has a dark header with 'File Upload' in the center. Below the header, there is a message 'Your account has been created.' and a blue 'Upload' button. The browser's address bar shows 'http://127.0.0.1:5000/upload'.

After Successful CVS File Upload



Interactive Plot below picture to the left

