

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 out 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 needed is an email address and a 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 on their local machine and use that data to display a chart of their choosing from the drop-down menu.
6. Upload Previous CVS file: If a previous CVS file exists that had been uploaded during previous sessions, the you can select the ChooseData heading in the navigation bar and select which data will be used for plotting/graphing.
7. Editing: User can directly add data to their existing plot/edit things such as title, x-axes, 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 businesses, or some other calculations and projections.
9. Delete Data from data set: The user can select the ChooseData tab in the navigation bar and select from the drop down menu which file they would like to select and then below select delete from the drop down menu
10. Saving and logging out: The user can safely save their plots and log out to extend security.

Screen Shots of Real Time Application

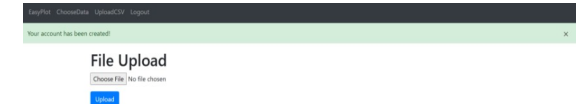
Login/Home Page



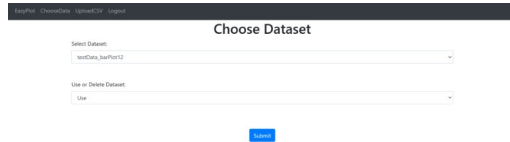
Sign-Up Page



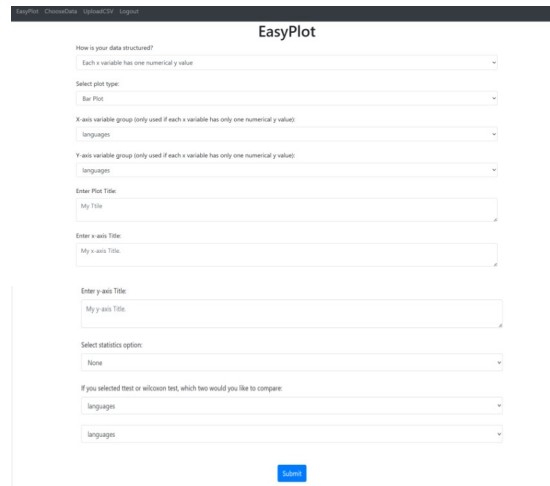
After login, CVS upload screen



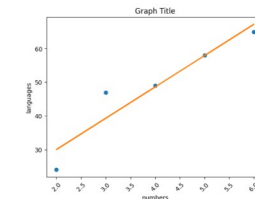
Select CVS Data to Use or Delete Page



Graph Editing Page/Statistical Analysis Page



Displayed Graph along with Stats Analysis(if selected)



Linear Regress Results:
slope = 9.3
intercept = 11.399999999999999
r-value = 0.9466169833782077
p-value = 0.01468686996864634
std error = 1.828478420253665
intercept std error = 7.757576941287794