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| PROPOSAL PLAN  EZ-CHARTS CMS |
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## EZ-CHARTS Proposal Plan

### **EZ-Charts CMS**

The EZ-CHARTZ CMS will be a content management system that will allow users to create simple, yet elegant graphs or charts that will be stored for future use. The charts will have an export function that will also allow a user to include them in things like presentations.

A user will create a unique account and upload a profile photo of themselves for some personalization. The photo will be re-sized using a php plug-in. The account information will be stored in a database, with passwords hashed and salted.

The graphing will be customizable, the user will be able to choose what kind of chart they want to display. I will only include a maximum of 12 pieces of data per axis. The graphs will be powered by [apexcharts.com](http://apexcharts.com/). They will be stored in a database, as well as editable.

The template will be done with Bootstrap4 and should match the aesthetic of the look of the graphs to create continuity throughout the CMS. The site will be fully responsive.

All data into the site will be validated and sanitized.

All the back end of EZ-CHARTS will be written in PHP, and the chart functionality will be implemented using vanilla Java Script. At this point, I’m not sure if I will need to use AJAX, as I think I can just populate a hidden div with PHP, and have the JavaScript read from that.

Throughout the whole process I will be diligently using Git as version control. The link to the repo can be found here: <https://github.com/StudentPawulski/EZ-GRAPHS>

The site will also be deployed to a shared host.

#### Site Contents

he site will contain the following pages:

* Landing page
* Sign up for account
* Log-in
* Browse (users not logged in will be able to view graphs that are set as public by creator)
  + Will contain search function
* User page – Will show all of user graphs in a grid format
  + Will contain search function
  + Potentially a change password page
* Create graph
* Edit graph – will contain delete graph option
* Display graph
* About
* Admin Tools

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