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|  | WEB-PRG Machine Project |
| BS CS-CSE |
| “Skematic” Web App |
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**Description**

The application is a web-based application that allows the user to upload and store circuit schematics. The application would be account-based which would need the user to first create an account that would be tied to the schematics that they would upload. The schematics themselves are just image files of PNG or JPEG format. Once the user uploads a schematic, the user would have to input the schematic name and description. The user can also attach tags to the schematic for sorting. The application would use a server database that would store the accounts and their respective schematics and tags. There would be an admin account that would monitor all other accounts as well as view feedback from normal accounts.

**Features**

Web Server

Server Database

File Uploading of PNG and JPEG files

**Functions**

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| Function | Description |
| Register | The user must first register an account before accessing the other features of the app. Users are required to give their username, full name, birthday, email, and password. |
| Log-in | The user must log-in before uploading/viewing a schematic. This requires the user to enter his/her registered username and password. |
| View Schematic List | The user can view the list of uploaded schematics. The list will be provided via a remote web server. |
| View Schematic | Once a user selects a schematic, the app will provide the image of the schematic including the details of the schematic. |
| Filter Schematics | The user can filter through the schematics based on tag. The default filter is to show all schematics. Whatever the filter used, the user can also select if the list is from newest to oldest or vice versa. |
| Upload Schematic | The user upload a schematic and be prompted to input the schematic name and description. This will update the remote database. |
| Edit Schematic Details | The user can edit the selected schematic name and description. This will update the remote database. |
| Add or Remove Schematic Tags | Allows the user to add or remove tags to the schematic selected. This will update the remote database. |
| Feedback | The app will allow the user to share feedback on the site which can be viewed by an admin account. This will update the remote database. |