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Computer Part Selection Web Service


I'm in need of a web service that allows a user to search a database of computer components. They should be able to assemble a configuration, and see useful information such as pricing, wattage for PCU recommendation, and compatibility. The user should be able to create a profile, and should be able to save multiple configurations. It should also be possible that the user can share their configurations, in a neat and organized manner.

For backend specs, the application should user a MySQL database. To store components in the database, each component will be assigned a simple UPC number for simplicity, and they will be stored in a UPC + Component + Wattage + Price style table. The users will be stored in a table where each column will denote each aspect of the users profile, such as username, email, password, etc. The configurations will also be stored in tables, with columns for the users name, and each component in the build.


Points of contact:

- POST – User registration
- GET – User login
- PUT – Assemble configuration
- GET – Share configuration
- PUT – Update configuration
- DELETE – Delete Configuration
- GET – Wattage calculator
- GET – Component price list