

Proposal

“AutoParts” - Automatic PC Part Builder

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Sirage El-Jawhari

Overview

The Automatic PC Part builder is an application that will make the process of building a personal computer easy. The user will specify the intended use of their computer (gaming, productivity, etc), as well as their budget. The builder will then automatically pick the best parts (rated by a trusted benchmarking resource) and create a personal computer that fits the user's selected filters and intended use of their PC. Additionally, allows user to import their current build and choose to upgrade based on their budgets. Offers an advanced filtering mode that allows more advanced users to finer tune their PC builds. Users are able to add reviews to the recommended PC that was built by the system.

Goal

The goals of this software will be to offer:

- User registration.
- User is able to select budget for PC.
- Automatically selecting the best parts to fit the user set budget.
- Allowing user to filter preferences, as well as offering an advanced filtering mode, for what they want from their PC.
- An easy way for the average person to find the best PC parts without having to do a copious amount of research.
- Users can upgrade their current PCs by inputting their PC parts into the app and selecting an 'upgrade' budget.
- Users are able to write reviews on recommended builds.

Specifications

- Registration: Users will be able to register with email address and their selected passwords.
- User Management: Users will be able to manage their accounts, profile pictures and.
- Login / Logout: Allows user to login and logout of the app.
- Data store access: Uses data from websites such as userbenchmarks.com or some other trusted benchmarking resources to gather information about PC part benchmark scores and effectiveness.
- Documentation: Will clearly show users how to use the app