

RigConfig

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What is RigConfig?



RigConfig is a web application where users can configure a custom gaming rig (desktop PC) with specs/components of their choosing.

RigConfig will display a live (when booted up) model of your custom rig configuration(s).

Necessity



RigConfig helps gamers want to acquire a new custom desktop gaming rig have a good idea of what their desired build would look like before actually spending money on acquiring it.

This will help new and current PC gamers be financially responsible, simplify research on their desired build(s), and plan accordingly.

KEY FUNCTIONAL FEATURES

- Large selections for relevant PC components/specs (CPUs, GPUs, RAM, etc.)
- Display a reasonably estimated market price for each PC component/spec
- Display the total price of the PC build (all the components/specs added up)
- Calculate/Output estimated framerates on popular video games
- The final build model will be able to be turned on to see what the rig looks like when it is running



KEY NON-FUNCTIONAL FEATURES⁵

- The design of the website should be aesthetically pleasing- it shouldn't look "cheap", text font should be clear but not basic, etc
- Blank space should be minimized and used to make features and text appear larger and more clear to the user.
- Features and text on the application should be clearly visible within "sitting distance"- users should not have to constantly be zooming in and out, or leaning forward to read or view the model
- No typos on the application, otherwise the application would look unprofessional and/or incomplete
- When the final build model is running, animations should be played at 60 frames per second for a smooth demonstration
- The model should load relatively quickly (less than 10 seconds)

ROLES & RESPONSIBILITIES

Michael

- Project Management
- Documentation
- Back-End Development

Zain

- Front-End Development
- Back-End Development
- Database Administrator

Jibran

- Front-End Development
- Back-End Development
- Project Management

Geo

- Back-End Development
- Database Administrator
- Documentation

Ayaan

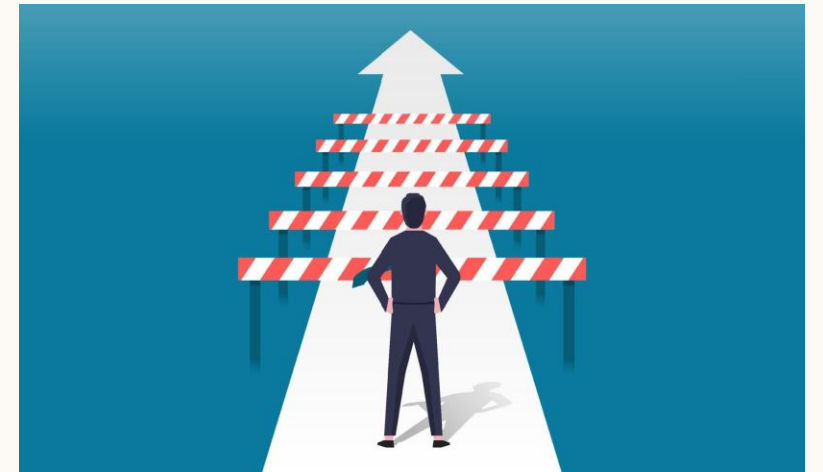
- Front-end development
- User experience design
- Quality control

Logan

- Back-End Developer
- API Developer
- Documentation

POTENTIAL CHALLENGES

- Application may get too intensive at times
- Due to the large number of products available, there may be some components unavailable during the application's initial release
- Exact dimensions of specs might be difficult to simulate when configuring the build



POTENTIAL SOLUTIONS

- If the web application is too intensive for the device, we may just make it a downloadable application instead with updates
- A warning message would be displayed on potential devices could lag when running the application
- Considering importing specs from existing databases like UserBenchmark to prevent the potential exclusion of uncommon specs
- Might provide a reasonable estimate of spec dimensions if the dimensions of a spec are unknown



THANK YOU!