

Membros da equipe GHYM™:

Davi de Jesus Duarte;
Gabriel Tavares Martins de Oliveira;
Gustavo Henrique de Moraes;
Humberto da Torre Murad;
Igor de Almeida Aguiar.

INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DE SÃO PAULO
COMPARADOR DE HARDWARE GHYM™

GRUPO 5 – 23I

DISCIPLINA: PROJETO INTEGRADOR (PJI-2)

27/06/2022

PROFESSOR: CARLOS HENRIQUE VERISSIMO PEREIRA



PAPEIS E RESPONSABILIDADES DURANTE O PROJETO GHYM™



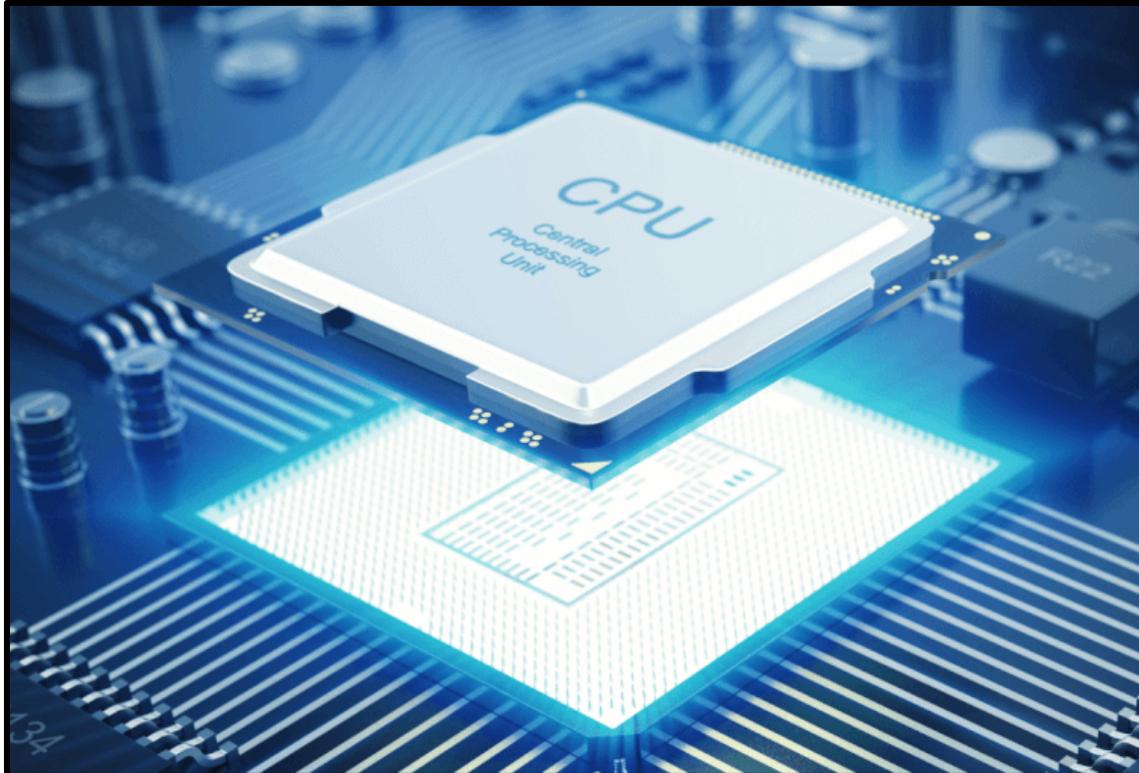
Nome	Papel	Responsabilidade
Davi de Jesus Duarte	Desenvolvimento da interface gráfica - View	<ul style="list-style-type: none">- Desenvolver a interface gráfica do software;- Otimizar as informações contidas nas abas do software;- Organizar os documentos de atividades do grupo;- Desenvolvimento integrado do MVC.
Gabriel Tavares Martins de Oliveira	Gerente do grupo Gestor de banco de dados – Model	<ul style="list-style-type: none">- Gerir o grupo no desenvolvimento geral;- Desenvolver o banco de dados MySQL;- Integrar o banco de dados com o software Java;- Desenvolvimento integrado do MVC;- Revisar os documentos de atividades do grupo.
Gustavo Henrique de Moraes	Desenvolvimento da interface gráfica - View	<ul style="list-style-type: none">- Desenvolver a interface gráfica do software;- Otimizar as informações contidas nas abas do software;- Desenvolvimento integrado do MVC.
Humberto da Torre Murad	Desenvolvimento geral – MVC	<ul style="list-style-type: none">- Desenvolvimento da interface gráfica;- Desenvolvimento do software e do banco de dados;- Desenvolver as apresentações do grupo;- Desenvolvimento integrado do MVC.
Igor de Almeida Aguiar	Desenvolvedor - Controller	<ul style="list-style-type: none">- Desenvolver o software em Java;- Integrar o software Java com o banco de dados MySQL;- Integrar o software Java com a interface gráfica.- Desenvolvimento integrado do MVC.

CONTEXTO DE NEGÓCIO - GHYM™



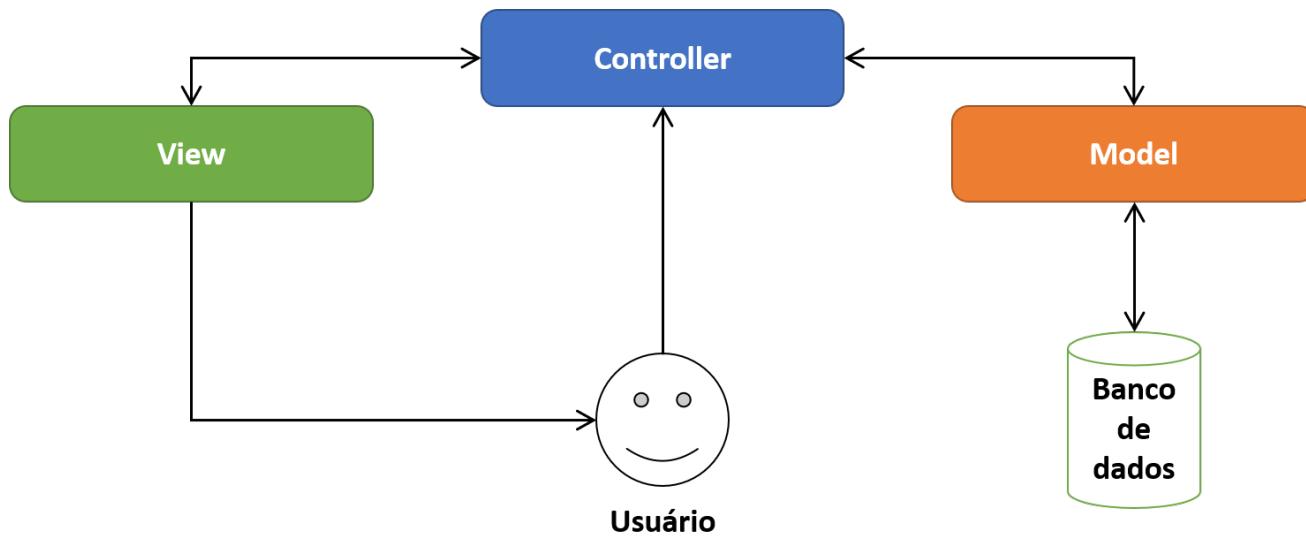
- Para um usuário leigo comprar um computador para uso pessoal é muito complicado, pois lhe falta um embasamento quanto a configuração de componentes que ele irá necessitar, mediante seus aplicativos de uso.
- Diante desse problema, propomos uma solução rápida e precisa.

SOLUÇÃO PROPOSTA - GHYM™



- Um sistema de comparação de desempenho de hardware (Processadores e Placas de vídeo), que possibilitará uma orientação ao usuário quanto ao desempenho dos componentes comparados. Também fornecerá possíveis configurações de hardware, mediante os seus softwares de uso do usuário.

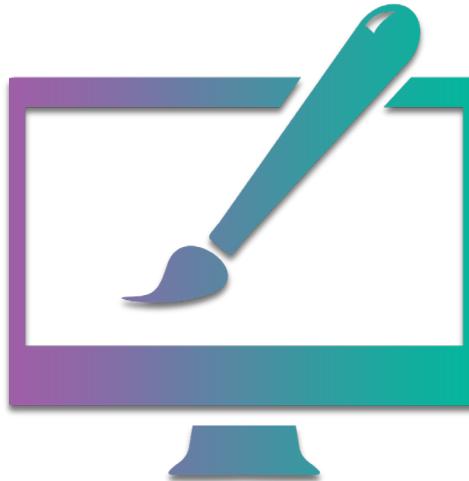
ARQUITETURA DA SOLUÇÃO - GHYM™



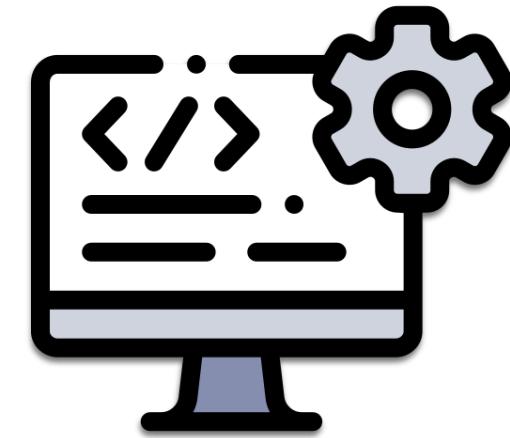
- Neste software, utilizaremos a arquitetura MVC (Model-View-Controller), que é bem focada em contribuir na otimização das requisições feitas pelo comando dos usuários.



Banco de dados
(Model)



Interface Gráfica
(View)



Desenvolvimento do Software
(Controller)

ARQUITETURA MVC (MODEL-VIEW-CONTROLLER)



TECNOLOGIAS ENVOLVIDAS

GHYM™



Banco de dados (MySQL)



Linguagem de programação (JAVA)



Controle de versão (GIT)



Repositório (GitHub)

STATUS REPORT - GHYM™



O projeto da equipe GHYM™ tem evoluído muito ultimamente e todos esses avanços contribuíram para uma nova visualização do negócio! Nas últimas semanas, fizemos:

- Diagrama entidade-relacionamento (DER) e Modelo entidade-relacionamento (MER) para o nosso banco de dados (SQL);
- Abstração das classes da nossa solução através do Diagrama de Classes (UML);
- Segunda versão da Prototipação da solução através da plataforma FIGMA;
- Atualizações nas funcionalidades do nosso software, oferecendo ainda mais recursos aos usuários;
- Criação do Blog através da plataforma Carrd.

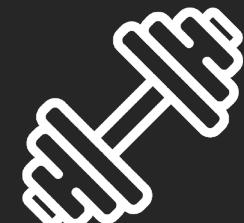
PROTOTIPAÇÃO - GHYM™



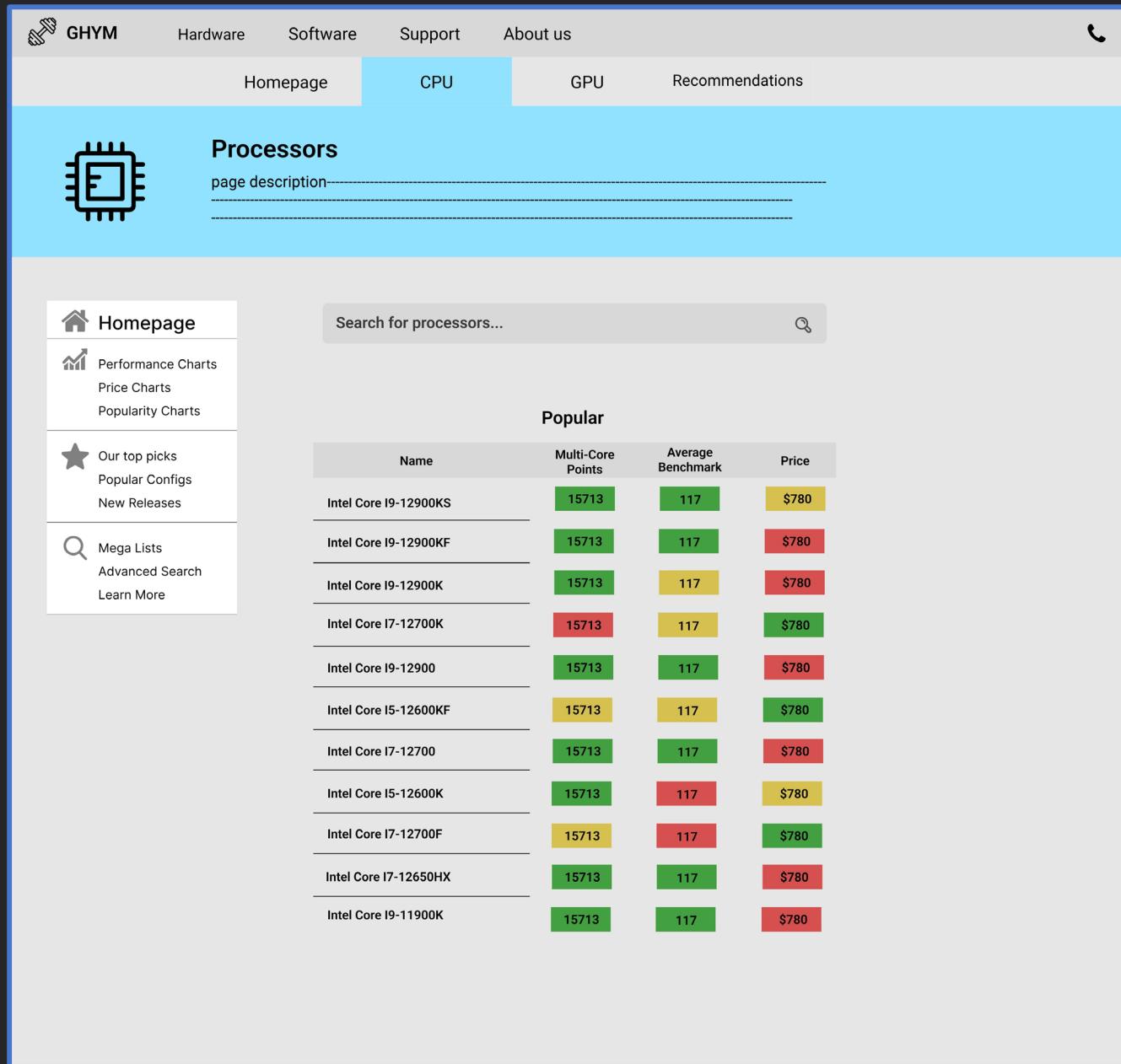
- Protótipo feito pelo FIGMA.
- <https://www.figma.com/proto/N48lbUvmBqoVYGlxdArn6F/Project-GHYM-2.0?node-id=1%3A2&scaling=scale-down&page-id=0%3A1&starting-point-node-id=1%3A2>
- Principais telas:

Main Homepage da solução - GHYM™

The screenshot displays the main homepage of the GHYM solution. At the top, there is a navigation bar with links for "Hardware", "Software", "Support", and "About us". Below this is a secondary navigation bar with "Homepage" (highlighted in blue), "CPU", "GPU", and "Recommendations". A large blue header section contains the GHYM logo and the text "Hardware Specifications and recommendations". Underneath, there is a placeholder text "Who we are-----" followed by three horizontal dashed lines. On the left side, a sidebar menu includes "Homepage", "Performance Charts", "Price Charts", "Popularity Charts", "Our top picks", "Popular Configs", "New Releases", "Mega Lists", "Advanced Search", and "Learn More". The main content area features two large, overlapping black 'X' shapes on a white background, each containing the text "Engaging Content". A search bar with the placeholder "Search on our website" and a magnifying glass icon is located in the top right corner.

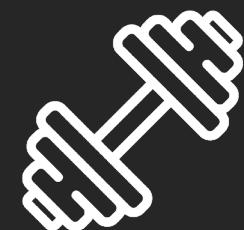


CPU Main Homepage da solução - GHYM™



The screenshot shows the main homepage of the GHYM solution. The top navigation bar includes links for GHYM (with a dumbbell icon), Hardware, Software, Support, About us, and a phone icon. Below the navigation is a secondary menu with links for Homepage (selected), CPU (highlighted in blue), GPU, and Recommendations. A large blue header section features a central chip icon and the word "Processors". Below this, a search bar says "Search for processors..." with a magnifying glass icon. To the left is a sidebar with links for Homepage, Performance Charts, Price Charts, Popularity Charts, Our top picks, Popular Configs, New Releases, Mega Lists, Advanced Search, and Learn More. The main content area displays a "Popular" section with a table comparing ten Intel Core processors based on Multi-Core Points, Average Benchmark, and Price. The table rows are as follows:

Name	Multi-Core Points	Average Benchmark	Price
Intel Core i9-12900KS	15713	117	\$780
Intel Core i9-12900KF	15713	117	\$780
Intel Core i9-12900K	15713	117	\$780
Intel Core i7-12700K	15713	117	\$780
Intel Core i9-12900	15713	117	\$780
Intel Core i5-12600KF	15713	117	\$780
Intel Core i7-12700	15713	117	\$780
Intel Core i5-12600K	15713	117	\$780
Intel Core i7-12700F	15713	117	\$780
Intel Core i7-12650HX	15713	117	\$780
Intel Core i9-11900K	15713	117	\$780



CPU Info Page da solução - GHYM™

GHYM Hardware Software Support About us

Homepage CPU GPU Recommendations

Processors

page description

[Homepage](#)

[Performance Charts](#)

[Price Charts](#)

[Popularity Charts](#)

[Our top picks](#)

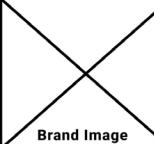
[Popular Configs](#)

[New Releases](#)

[Mega Lists](#)

[Advanced Search](#)

[Learn More](#)

 Intel Core i9-12900KS

117 8585 938

② Socket: LGA 1700

② Total Cores: 16 Cores, 24 Threads

② TDP Up to: 241 W

② Typical TDP: 150 W

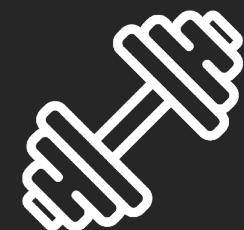
② Release Date: Q2 2022

② Base Clock Speed: 3.6 GHz

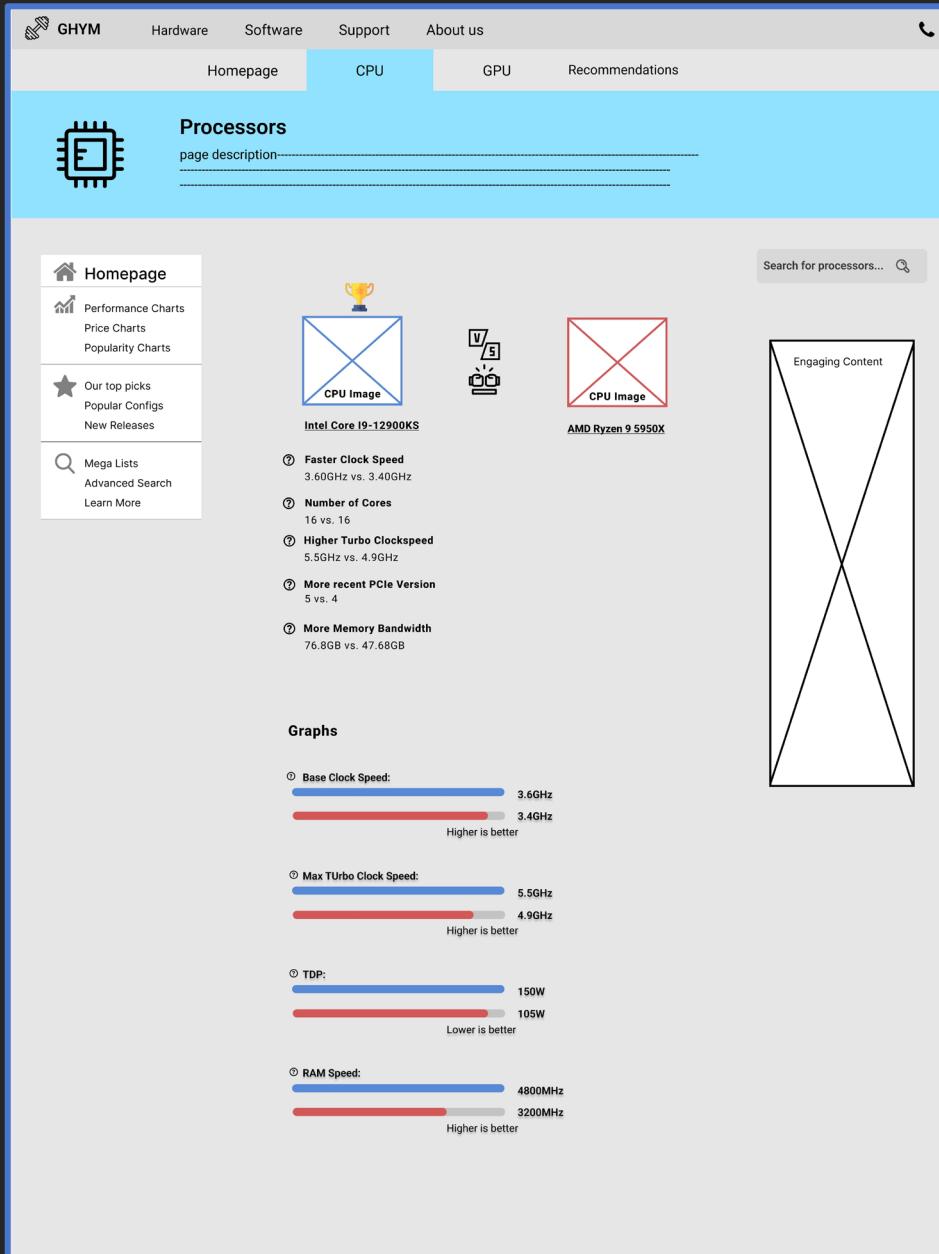
② Maximum Boost Speed: 5.5GHz max turbo speed

Engaging Content

Search for processors... 



CPU Comparison Page da solução - GHYM™



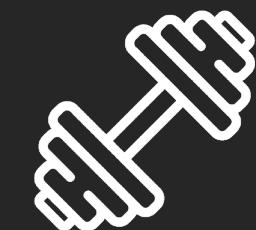
The screenshot shows a web page titled "Processors" from the GHYM website. The top navigation bar includes links for "GHYM", "Hardware", "Software", "Support", "About us", "Homepage", "CPU" (which is highlighted in blue), "GPU", and "Recommendations". A search bar at the top right says "Search for processors...". On the left, there's a sidebar with links to "Homepage", "Performance Charts", "Price Charts", "Popularity Charts", "Our top picks", "Popular Configs", "New Releases", "Mega Lists", "Advanced Search", and "Learn More". The main content area features two CPU images: "Intel Core i9-12900KS" (blue square with a trophy icon) and "AMD Ryzen 9 5950X" (red square with a crossed-out icon). Below these are five comparison points:

- ② Faster Clock Speed: 3.60GHz vs. 3.40GHz
- ② Number of Cores: 16 vs. 16
- ② Higher Turbo Clockspeed: 5.5GHz vs. 4.9GHz
- ② More recent PCIe Version: 5 vs. 4
- ② More Memory Bandwidth: 76.8GB vs. 47.6GB

On the right side of the page, there is a large graphic of a downward-pointing triangle with a large "X" through it, labeled "Engaging Content".

Graphs

- Base Clock Speed:
Higher is better
3.6GHz (Blue) vs. 3.4GHz (Red)
- Max Turbo Clock Speed:
Higher is better
5.5GHz (Blue) vs. 4.9GHz (Red)
- TDP:
Lower is better
150W (Blue) vs. 105W (Red)
- RAM Speed:
Higher is better
4800MHz (Blue) vs. 3200MHz (Red)



GPU Main Homepage da solução - GHYM™

GHYM

Hardware Software Support About us

Homepage CPU GPU Recommendations

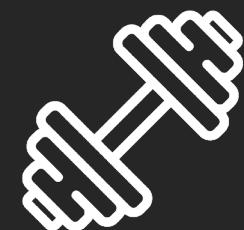
Graphics Cards

page description

Search for GPUs...

Popular

Name	Multi-Core Points	Average Benchmark	Price
GeForce RTX 3080	15713	117	\$780
Intel Core i9-12900KF	15713	117	\$780
Intel Core i9-12900K	15713	117	\$780
Intel Core i7-12700K	15713	117	\$780
Intel Core i9-12900	15713	117	\$780
Intel Core i5-12600KF	15713	117	\$780
Intel Core i7-12700	15713	117	\$780
Intel Core i5-12600K	15713	117	\$780
Intel Core i7-12700F	15713	117	\$780
Intel Core i7-12650HX	15713	117	\$780
Intel Core i9-11900K	15713	117	\$780

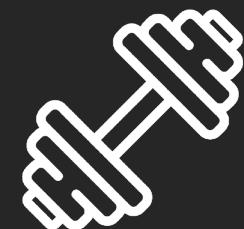


Recommendation Main Homepage da solução - GHYM™

The screenshot displays the GHYM homepage with a sidebar and a main content area. The sidebar on the left includes links for 'Homepage', 'Performance Charts', 'Price Charts', 'Popularity Charts', 'Our top picks', 'Popular Configs', 'New Releases', 'Mega Lists', 'Advanced Search', and 'Learn More'. The main content area features a search bar labeled 'Search for apps...' with a magnifying glass icon. Below the search bar, a section titled 'Popular:' lists several applications and games with their icons and names:

- Microsoft Word 2019
- Minecraft
- Adobe Premier Pro
- Valorant
- Call of Duty: Modern Warfare
- Google Chrome
- uTorrent
- MySQL

A large blue button at the bottom right of the content area is labeled 'Engaging Content'.



Recommendation By Use Page da solução - GHYM™

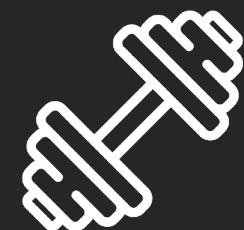
The screenshot displays the GHYM website's 'Recommendations' page. The top navigation bar includes links for GHYM, Hardware, Software, Support, About us, Homepage, CPU, GPU, and Recommendations. The 'Recommendations' tab is currently selected.

The main content area features a section titled 'Apps for recommendations' with a placeholder text 'page whatever'. Below this is a sidebar with a 'Homepage' button and links for Performance Charts, Price Charts, Popularity Charts, Our top picks, Popular Configs, New Releases, Mega Lists, Advanced Search, and Learn More. A search bar labeled 'Search for apps...' is also present.

The central part of the page shows a list of 'Selected apps' with checkboxes:

- Microsoft Word 2019
- Adobe Premier Pro
- Minecraft
- MySQL
- Valorant
- Call of Duty: Modern Warfare

On the right side, there are three sections: 'Minimum Configuration', 'Recommended Configuration', and 'Our Custom Configuration', each listing hardware components with their respective icons and prices (e.g., Processor Model Name Minimum, Price: \$\$\$).



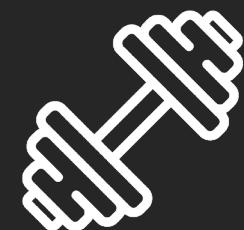
PRÓXIMOS PASSOS - **GHYM™**



Para a nossa solução **GHYM™**, nossos próximos passos estão previstos no nosso cronograma, serão ele:

- Desenvolvimento do código-fonte em Java;
- Criação do repositório GitHub;
- Inserção de dados no nosso banco;
- Início no desenvolvimento da interface gráfica da solução;
- Integração entre as três camadas da arquitetura MVC da nossa solução.

Cronograma do projeto - GHYM™





TODA EQUIPE
DA **GHYM™**
AGRADECE PELA
SUA ATENÇÃO!

