Introdução à Engenharia de Software – 2023/24 P4, G1



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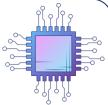
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Product Concept

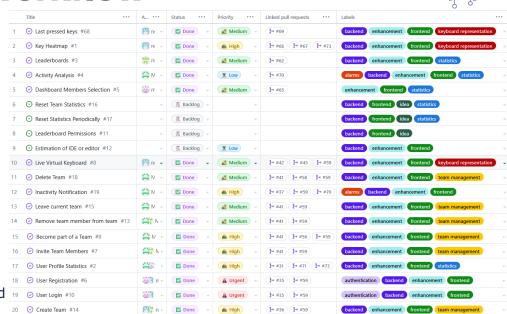
- Track User Keystrokes
- **O2** Team Development
- **O3** Self-evaluation Tool
- O4 Present Statistics
- Inactivity/Gaming Notifications
- 106 Interaction with the user through a Web Interface



Backlog Management Feature-branching workflow



- 1. 16 stories implemented
 - Proposed to do **enhancement** user stories
 - Stories with the tag idea were secondary to the core concept of the product
 - 3. Dropped #12 for #68 as it was more relevant according to the product requirements
- Creation of branches and development based on features and division between backend and frontend (usually one developer for frontend and other for backend)



3. <u>Conventional commit messages</u> (Feat, Fix, Chore)

Architecture

Keylogger

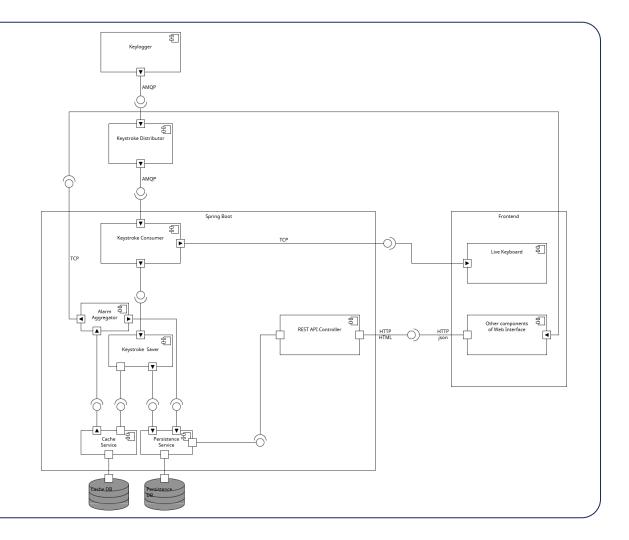
Registers keystrokes (presses and releases) and sends them to a message queue that is consumed by **Keystroke Consumer**

KeystrokeSaver

Responsible for **interconnecting** and consuming the database services.

Alarm Aggregator

Responsible for **handling** key expired event and send the generated notification through the appropriate channels.



DevOps



Granted support for version control and code history that facilitated the branching and merging during the parallel development process.



Enabled the hosting of the Git repository, together with the ability to create issues, pull requests and the management board (GitHub Projects).



Granted support for build automation, dependency management and a standardized project structure.

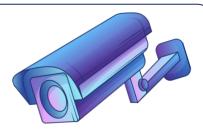




Granted the encapsulation of the various parts of the application along with its dependencies and ensured consistency during deployment and development.

Demo



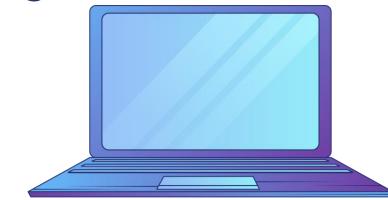


Deployed

Deployed in our IES server

Showcase

Multiple computers sending different keystrokes to different teams **at the same time**.





Thanks!



Do you have any questions?

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