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**Project Title:** Cloth Shop Website

# Document Goals:

* Please note that this document is a living document and will be updated as the project progresses
* Describe the goals and objectives of the project
* Outline the technology used to develop the project
* Provide an overview of what was realized and what is planned to be developed
* List any relevant artefacts related to the project

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# Technology Used:

* Programming languages: HTML, CSS, JavaScript, Python
* Libraries: Pytest (for unit testing), Selenium (for automated testing), SQLAlchemy (for database management)
* Backend technologies: Flask
* Database: SQLite, SQLAlchemy
* Additional Tools: ChatGPT 3.5 (for assistance with problem-solving and web development)

**Goals:**

* Develop proficiency in the Flask web framework and the basics of web development.
* Gain experience in writing tests for web applications.
* Demonstrate a strong desire for self-improvement and a willingness to learn new technologies.
* Utilize AI technology, specifically ChatGPT, to enhance the functionality of the web application.
* Create an engaging and interactive user experience by leveraging modern web technologies.
* Develop project management skills by planning and executing a full-stack web development project.
* Create a portfolio piece that can demonstrate skills and experience to potential employers or clients.
* Explore the intersection of AI and web development and how these technologies can be used to create innovative solutions.

**Realized:**

* Developed a partly functional cloth shop website using Flask and other web development technologies.
* Implemented user account creation, login, and logout functionality, allowing users to access their personal information.
* Created a shopping cart feature that allows users to add products to their cart and proceed to checkout.
* Implemented a database system to store user and product data.
* Developed unit tests using Pytest to ensure the website's functions are working as expected.
* Created automated tests using Selenium in Python to simulate user interactions with the website.

**Future Plans:**

* Increase the number of unit and automated tests using Selenium to ensure website functionality and minimize errors.
* Improve the website's user interface and experience by implementing new design elements and optimizing existing ones.
* Add detail page for every product
* Add new functionality to the website, such as a customer review system.
* Expand the product catalog with new items and categories.
* Optimize the cart and building checkout process.
* Build a more detailed and consistent documentation to provide a clear overview of the project and its components.
* Improve website performance by modifying and optimizing code.

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**Artefacts:**

* GitHub repository : <https://github.com/Kokoszsz/Works.git>
* Jira