**VILNIUS UNIVERSITY**

**KAUNAS FACULTY**

**Description of system dynamics and user processes**

Documentation

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Kaunas 2023

**File description**

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***Description and rating of user processes preapred by***: Anton Rusynyk

***Type***: Part of key result of creation of graphical representation of IS structure and functionality corresponding to methodology in Weekdone

**Description of IT System Dynamics**

EchoesForum is a dynamic platform that facilitates anonymous forum discussions and chats. Its primary objective is to provide users with a space to engage in conversations, manage profiles, create posts, and interact within a secure environment.

***Performance dynamics***

* Response Times: The system aims for rapid response times to user interactions, ensuring a seamless browsing and engagement experience.
* Throughput: The platform manages a high volume of concurrent user interactions, maintaining efficient data throughput.
* Error Rates: EchoesForum maintains a low error rate, minimizing system disruptions and ensuring reliability.
* System Availability: The system operates with high availability, minimizing downtime for user access.
* Scalability: Designed to accommodate a growing user base and content load without compromising performance.

***Functioning dynamics***

* Architecture: The platform employs a robust architecture, integrating various hardware and software components for optimal functionality.
* Data Flow: Data is efficiently managed, ensuring smooth storage, retrieval, and transmission across the platform.
* Security: Stringent security protocols safeguard user data and interactions, ensuring a secure environment.
* User Experience and Interface: EchoesForum offers an intuitive and responsive user interface, enabling easy navigation and engagement. The platform adheres to accessibility standards, ensuring inclusivity for users with diverse needs. User feedback mechanisms are in place to continuously improve the user experience.
* Scalability and Flexibility: EchoesForum is designed with scalability in mind, capable of accommodating increasing user demands and content growth. Flexibility is ensured to incorporate future enhancements or modifications seamlessly.

**List of user processes and their rating**

* Registration: Users can sign up, enabling access to the platform's features.

(Innovation: 2/5, Originality: 2/5, Competitiveness: 3/5)

* Login: Secure access to user accounts.

(Innovation: 2/5, Originality: 2/5, Competitiveness: 3/5)

* Profile Management: Editing profile details and managing personal information.

(Innovation: 4/5, Originality: 5/5, Competitiveness: 5/5)

* Creating Posts: Initiation of new conversation threads or posts.

(Innovation: 4/5, Originality: 4/5, Competitiveness: 4/5)

* Interacting with Content: Commenting, liking/disliking posts, and engaging in discussions.

(Innovation: 3/5, Originality: 3/5, Competitiveness: 4/5)

* Messaging: Direct communication between users.

(Innovation: 3/5, Originality: 4/5, Competitiveness: 4/5)

* Password/Account Recovery: Processes to recover forgotten passwords or accounts.

(Innovation: 435, Originality: 2/5, Competitiveness: 3/5)

***Rating Criteria:***

* Innovation: Degree of novelty in features or functionalities introduced.
* Originality: Uniqueness compared to industry standards.
* Competitiveness: Ability to provide a competitive edge or advantage.