Password Generator

Version <1.0>

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <dd/mmm/yy> | <x.x> | <details> | <name> |
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# Introduction

An application that allows user authentication and registration and generates password for each username with given complexity.

It can be either a mobile or a web application.

Functional requirements:

* Define one type of user
* Authentication using username and password
* Process password generation using given user complexity

Non-functional requirements:

* Validate all input data against invalid data before submitting the data and saving it into the data base
* Data will be stored in a relational database
* Use layered architectural pattern to organize the application
* Documentation

## Purpose

The purpose of this Vision document is to clarify what are the objectives of my application, to familiarize all the clients with my application.

## Scope

The scope of this document is to clarify which are my plans for the final project and it is supposed to be a guide between the user and the application.

## Definitions, Acronyms, and Abbreviations

The project is made for National Theatre of Cluj-Napoca, for all the clients who wants to find out what they need about the theatre. The application is built on Spring Framework, with Hibernate ORM.

Hibernate ORM is concerned with helping any application to achieve persistence. Persistence means that we would like our application’s data to outlive the application process. In Java terms, we would like the state of our objects to live beyond the scope of the JVM so that the same state is available later.

The Spring Framework is an application framework which provides a comprehensive programming and configuration model for modern Java-based enterprise applications (on any kind of deployment platform). Spring focuses on the “plumbing” of enterprise applications so that teams can focus on application-level business logic, without unnecessary ties to specific deployment environments.

## References

To find out more information about the final project, the other delivered documents are more detailed about it :

* The UseCaseModel contains the diagrams of how the project works, with the actors and their actions
* The SupplementarySpecification contains information about the requirements, the availability, performance, security, testability, usability of the application
* The Glossary contains different terms which are used in the application, with their definition

## Overview

[This subsection describes what the rest of the **Vision** document contains and explains how the document is organized.]

# Positioning

## Problem Statement

[Provide a statement summarizing the problem being solved by this project. The following format may be used:]

|  |  |
| --- | --- |
| The problem of | Generating string passwords |
| Affects | Simplifying users job |
| the impact of which is | Managing passwords |
| a successful solution would be |  |

## Product Position Statement

[Provide an overall statement summarizing, at the highest level, the unique position the product intends to fill in the marketplace. The following format may be used:]

|  |  |
| --- | --- |
| For | Regular users |
| Who | Are in need of strong and variate passwords |
| The (product name) | is a Password Generator |
| That |  |
| Unlike | The same password everytime |
| Our product | Offers password and management |

[A product position statement communicates the intent of the application and the importance of the project to all concerned personnel.]

# Stakeholder and User Descriptions

[To effectively provide products and services that meet your stakeholders’ and users' real needs, it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. You must also identify the users of the system and ensure that the stakeholder community adequately represents them. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed.]

## Stakeholder Summary

[There are a number of stakeholders with an interest in the development and not all of them are end users. Present a summary list of these non-user stakeholders. (The users are summarized in section 3.2.)]

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| [Name the stakeholder type.]  Software Developer  Software Architect | [Briefly describe the stakeholder.]  The person who implements the application  The person who who makes high-level design choices and dictates technical standards | [Summarize the stakeholder’s key responsibilities with regard to the system being developed; that is, their interest as a stakeholder. For example, this stakeholder:  ensures that the system will be maintainable  ensures that there will be a market demand for the product’s features  monitors the project’s progress  approves funding  and so forth] |

## User Summary

[Present a summary list of all identified users.]

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| [Name the user type.]  Admin  Regular User | [Briefly describe what they represent with respect to the system.]  The responsible of the application, for all the given information | [List the user’s key responsibilities with regard to the system being developed; for example:  captures details  produces reports  coordinates work  and so on] | [If the user is not directly represented, identify which stakeholder is responsible for representing the user’s interest.] |

## User Environment

[Detail the working environment of the target user. Here are some suggestions:

Number of people involved in completing the task? Is this changing?

How long is a task cycle? Amount of time spent in each activity? Is this changing?

Any unique environmental constraints: mobile, outdoors, in-flight, and so on?

Which systems platforms are in use today? Future platforms?

What other applications are in use? Does your application need to integrate with them?

]

# Product Requirements

[At a high level, list applicable standards, hardware or platform requirements, performance requirements, and environmental requirements.]