FH | JOANNEUM
University of Applied Sciences

User Requirements Specification
Towan

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Revision history

Version	Issue date	Author/editor	Description/Summary of changes

Reviewed by

Version	Issue date	Name	Position	Review date

Approvals.

Version	Issue date	Name	Position	Approval date

Related documents

Document	Location

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1 INTRODUCTION

1.1 Objectives

This document has the purpose to give an overview about our software.
It describes what the functions of the software are.

1.2 History

There is no current system.

1.3 Scope

The scope of our project is to develop a web application that offers a browser game with multiple features to its users. First, users should be able to create their profile. With their profile, they should be able to play the game and post comments into the forum. Achievements from the game will be linked to the player's profile and saved into a persistent database. Administrators have Full Control over the forum and are able to delete entries and block users.

Planning Phase
- Project Proposal
- User Requirements Specification

Development Phase
- Implementing the mandatory features
- Implementing the highly desirable features
- In case of finishing faster than expected…
  - Implementing the desirable features
  - Implementing additional features

Testing Phase
- Testing the web application
- Refinement

Presentation Phase
- Presenting the final application

1.3.1 Organisational / Functional Areas Affected

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1.3.2 Inclusions

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1.3.3 Exclusions

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1.4 Assumptions

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1.5 Issues

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1.6 Approach

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1.7 Structure and Strategy

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1.7.1 Organisational Environment

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1.7.2 Business Environment

-

1.7.3 User Expectations

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2 Requirements

All requirements are defined in point form and are rated either Mandatory (M) or Highly Desirable (HD) or Desirable (D), dependent on business need and University Policy.

2.1 Functional Requirements

2.1.1 Common Features

Requirement		Preference
2.1.1.1	As a user, I want to play a tower defense game so that I can entertain myself.	M
2.1.1.2	As a user, I want to be in a community so that I am with like-minded people.	M
2.1.1.3	As a user, I want to log in using my e-mail address and password so that I have access to the application's features.	M
2.1.1.4	As a user, I want to see a welcome page when visiting the website so that I have a good overview.	M
2.1.1.5	As a user, I want to get to a home page after login so that I have a central point to start.	M
2.1.1.6	As a user, I want to be able to navigate through the web application so that I can visit every page whenever I want.	M
2.1.1.7	As a developer, I want to implement an about page so that users know who developed the web application.	M
2.1.1.8	As a user, I want to play a demo so that I can try out the game	D
2.1.1.9	As a developer, I want to implement a captcha in the registration page so that it sure that there are no robots using my application.	HD

2.1.2 Browser game

Requirement		Preference
2.1.2.1	As a user, I want to continue playing after quitting so that I do not lose my progress.	M
2.1.2.2	As a user, I want a game that's graphics are unique so that the game experience is even more enjoyable.	M
2.1.2.3	As a user, I want to play through many levels so that it does not get boring.	HD
2.1.2.4	As a user, I want unlock goodies when playing so that I stay motivated.	D

2.1.3 Player Profile Page

Requirement		Preference
2.1.3.1	As a user, I want to search for other players so that I can compare my statistics with others.	M
2.1.3.2	As a user, I want to see my progress so that other players can see how far I am.	M
2.1.3.3	As a user, I want to see statistics about my sessions so that I have an overview about my playstyle.	M
2.1.3.4	As a user, I want to be able to change my settings (username, password) so that I can improve my own security.	M
2.1.3.5	As a user, I want the option to hide my profile so that others cannot see my stats.	M
2.1.3.6	As a user, I want to change the layout of my profile so that I have some individuality.	D

2.1.4 Administrator Profile

Requirement		Preference
2.1.4.1	As an administrator, I want to see all flagged posts from the forum so that I can moderate the forum.	M
2.1.4.2	As an administrator, I want to be able to block users so that I can prevent harassment.	M
2.1.4.3	As an administrator, I want to add comments to my actions so that other players can evaluate my reasons.	M
2.1.4.4	As an administrator, I want a block system so that blocked users can be unblocked automatically.	M

2.1.5 Forum

Requirement		Preference
2.1.5.1	As a user, I want a moderated forum so that I do not get harassed.	M
2.1.5.2	As a user, I want to be able to post entries so that I can exchange messages with other players.	M
2.1.5.3	As an administrator, I want to delete specific entries so that I can moderate.	M
2.1.5.4	As an administrator, I want to pin entries I personally prefer so that others can get the most important information quickly.	M
2.1.5.5	As a user, I want to be informed when another user replies to one of my posts so that I can react to it accordingly.	D

2.1.6 Security

Requirement		Preference
2.1.6.1	As a user, I want a secured account so that others cannot use my profile.	M
2.1.6.2	As an administrator, I do not want that users have administrative rights so that I am the only who can make administrative changes.	M
2.1.6.3	As an administrator, I want to implement password policies so that security is even better.	M
2.1.6.4	As an administrator, I want to have all e-mail addresses / accounts verified so that it is harder to create multiple accounts.	HD

2.1.7 Performance and Availability

Requirement		Preference
2.1.7.1	As a user, I want a webpage that is fast so that I do not have to wait too long.	HD
2.1.7.2	As a user, I want a webpage that is responsively designed so that I can play the game with different window sizes.	D
2.1.7.3	As a user, I want a service that is always available so that I can make use of it whenever I want to.	D

2.1.8 Non-requirements

Requirement		Preference
2.1.8.1	As a user, I do not want to play a pay-to-win game so that I can save money.	
2.1.8.2	As a user, I do not want that the administrator can make changes to my statistics so that there is no chance for manipulation.	

2.2 System Requirements

2.2.1 Hardware

Requirement	Preference
2.2.1.1 No special software requirements needed.	

2.2.2 Software

Requirement	Preference
2.2.2.1 No special software requirements needed.	

2.2.3 Documentation

Requirement	Preference
2.2.3.1 -	

2.2.4 Support

Requirement	Preference
2.2.4.1 -	

3 References

3.1 Acronyms and Definitions

Acronym or Term	Definition
3.1.1	-

3.2 Interviews

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3.3 Other

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