WaaS - Documentation

WebE - FFHS

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1 Introduction

TODO

2 Requirements Engineering

- Name of the application: WaaS
- Purpose: TODO
- Names: Nicola Pfister, Jonas Meise

2.1 Purpose & Context

purpose of the application

2.2 Functional Requirements

The following chapter contains the functional requirements for WaaS.

2.2.1 Target Group

TODO

2.2.2 Use Cases

UST-1 Register	
Goal	A user registers a useraccount for WaaS.
Actors	Eventual user of WaaS
Precondition	The user owns a valid email address that is not yet used for an existing useraccount
Trigger	Click on the button: ”Register”
Main path	1 The user clicks the button: ”SignUp”. 2 The user enters his credentials into the register form (email address, and password). 3 The user clicks on: ”Register”. 4 WaaS creates a useraccount entry in the database. 5 The user gets redirected to the Login Page.
Alternative path	1a The user enters a invalid input data. 2a A validation error message shows up.
Postcondition	A new useraccount was created in the database with the credentials the user entered into the register form.

Table 1: UST-1

UST-2 Login	
Goal	A user logs in with an existing user account.
Actors	registered users
Precondition	UST-1
Trigger	Click on the button: ”LogIn”
Main path	1 The user enters a valid email address an password into the login form. 2 The user clicks on the button: ”LogIn”.
Alternative path	1a The user enters a invalid input data. 2a A validation error message shows up.
Postcondition	The user is now logged in and is situated on the overview page

Table 2: UST-2

2.3 Non-functional Requirements

1. **Performance**
   (a) For user interactions, the application should respond 99% of the requests in 2 seconds.
   (b) The application should score at least 40 points of performance in Google Chromes inbuilt Lighthouse audit.
2. **Usability**
   (a) If the application experiences any kind of error or delay, users should be made aware of this.
   (b) When a website that is subject to a Crawl changes to contain the looked for pattern, users should receive a notification within an hour.
3. **Other non-functional requirements**
   (a) The application should be implemented according to best practices and should therefore score 100 points in the best practices section of the Lighthouse audit.

(b) Due to the use of relational database technology, horizontal scalability is too big of a task to be realized in the given time frame and is therefore outside of the scope of this project.

List of Tables

References