Tell your friends

Supplementary Specification

Version 1.0

Revision History

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| 03/Apr/19 | 1.0 | Add first supplementary specifications | Grigor Sonia |
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# Introduction

This document captures the system requirements that are not already captured in the use case of the use case model.

The project is a web site application. For develop this site was required knowledge of full stack development including language programming as C#, HTML, CSS, JavaScript. Using Angular it’s easy to keep all resources for front-end project clean and organized in components, services and other packages. Regarding to back-end project .Net provide functionality for different types of project like MVC, Web API. The website is a collection of books and movies with their review, rating and user preferences.

# Non-functional Requirements

System quality attributes are at a high level because the developer want you to have the best experience. Quality can be defined in a different manner. The quality definition may differ from person to person. The product developer will define quality as the product which meets the customer requirements, but the customer will define quality as required functionality is provided with user friendly manner.

Sources of stimulus tat generate the stimulus or event are users and internet connection.

Stimulus are every action user do, but also a bad internet connection can affect functionality of this system. Some examples of stimulus coming from user are: register, login, add a new book.

Environment can be defined as an interactive web site that response to stimulus by communicating with the back-end, and then the back-end communicate with the database.

Artifact covers all of the material collected or created during the life of the project. It covers notes taken with stake-holders during the gathering of requirements, photos of whiteboard scribbles taken after brainstorming sessions as well as more detailed documents, such as use-cases, mock-ups and prototypes.

Response is the activity determined by the arrival of the stimulus. Response is basically the interaction of the system with users by navigating throughout tabs, pages, forms, card and so on.

The quantifiable indication of the response is called response measure and in this case is time. If the site show information and load quickly, the user will be pleased and satisfied.

## Availability

Availability is the probability that a system, at a point in time, will be operational and able to deliver the requested services. The application is wanted to pe active always and every person should access is in order to see reviews related to movie and books.

## Performance

The application is intended to be fast, responsive and it should work even if the internet connection is slow.

## Security

Integrity comes with security. System integrity or security is sufficient to prevent unauthorized access to system functions, preventing information loss and protecting the privacy of data entered into the system through authorization and authentication. Every method throw an exception if the user is not authorized.

## Testability

System is easy to test and find defects. Application is divides in modules, so testing can be effected on every module.

## Usability

This can be measured in terms of ease of use. Application is user friendly, easy to learn. Navigation is simple and suggestive.

# Design Constraints

Back-end project:

Software requires for this application are Visual Studio 2017 for developing or any other IDE that support .NET Framework. For a local database you can use Microsoft SQL Server Management Studio and connect to `(LocalDB)\MSSQLLocalDB`. If you want to test any other methods you can use Postman. This application uses the Visual Studio 2017 and Microsoft SQL Server Management Studio 18 for data persistence.

Front-end project:

This application uses the Angular CLI tool to accelerate development. Before you start running the application make sure your development environment includes Node.js and an npm package manager. The project uses Node to run tasks in development. To start, install the project dependencies by running: npm install.

The product needs a web server, a database server and the machine running the browser in order for the created ecosystem to work and be integrated, things represented in the documentation of the project, under the form of a deployment diagram.