**User Requirements Specification**

Leben in Deutschland Test App

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Version History

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 0.1 | 29/12/2019 | Adalbero Guimaraes | Initial draft |

Approval

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| --- | --- | --- | --- |
| **Role** | **Name** | **Signature** | **Date** |
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# Introduction

## Overview

This User Requirements Specification (URS) outlines the requirements to the project “Leben in Deutschland Test App”.

It contains a description of the project, its scope and the user requirements. It is used to determine what needs to be done.

## Project Description

There are a lot of applications and web sites that one can use to prepare for the test “Leben in Deutschland”. But none of them has a powerful set of features that facilitates your learning.

The goal is to create an application and/or a web site that challenges the user to respond the 300 pre-defined questions. Keeping statistics and providing cool functionalities like tag a question, read it out loud and translate a question.

## Scope

The question database will be provided as an CSV with:

* Question text
* Question number
* Category
* Image (optional)
* 4 Options
* The correct option

# Requirement

|  |  |  |
| --- | --- | --- |
| **Ref** | **Description** | **Priority** |
| UR-01 | The user should select a “Bundesland” | Mandatory |
| UR-02 | The system should organize the questions in categories | Desirable |
| UR-03 | The system should create exams (a list of questions to be resolved in a time interval) | Mandatory |
| UR-04 | The system should have an exam timer, so the user can track its response time | Desirable |
| UR-05 | The user should be able to respond a question and visually see the result | Mandatory |
| UR-06 | The system should keep and show statistics of the user’s responses | Desirable |
| UR-07 | The system should allow the user to tag questions | Desirable |
| UR-08 | The system should allow the user to search for a question | Desirable |
| UR-09 | The system should have an exam simulator, where 33 questions are randomly selected for the user to respond | Mandatory |
| UR-10 | The system should, for each question, question text, number, image (if exists), 4 options. | Mandatory |
| UR-11 | The system should show, after an exam is completed, if he passed or not. Need to be more than 50% correct answers | Mandatory |
| UR-12 | The system should persist user data and progress between sessions | Desirable |
| UR-13 | The system should run on mobile and desktop | Desirable |
| UR-14 | The system should be able to show Ad for monetization | Mandatory |
| UR-15 | The question database should be easily maintainable | Mandatory |
| UR-16 | The system should help the user. For example: Translate the question, read the question out loud | Optional |

**Priorities:**

* Mandatory
* Desirable
* Optional
* Removed

# References

## Question Database

* The question database consists of 300 general propose questions + 10 questions specific to the user’s Bundesland.
* There are 16 Bundesland, so 160 extra questions
* Total 460 questions
* Each question has 4 options and only one correct answer
* Some questions may have an image
* Each question has one category and a question number

# Glossary of Terms

|  |  |
| --- | --- |
| **Term** | **Description** |
| **LiD** | Leben in Deutschland Test |
| **App, Application, System** | Application to be developed |