Online Book Recommendation System

Vision

Version 1.0

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 18/03/18 | 1.0 | First draft of Vision | Biris Alexandra |
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Vision

# Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the **Online Book Recommendation System**. It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. The details of how the OBRC fulfills these needs are detailed in the use-case and supplementary specifications.

The introduction of the Vision document provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this Vision document.

## Purpose

The purpose of the created system is to help the client user save precious time when

buying new titles to read, to encourage reading from an old school book, rather than a screen, and to create awareness regarding the time we spend doing the simplest things in life.

## Scope

The OBRC will provide a way to easily access a huge stock of books and together with

the implemented functionalities will prove that reading is not an expensive habit, nor a time consuming one. Using CF technique each user will receive a personalized list of recommendations, eliminating the overwhelming amount of data found on the Internet.

## Definitions, Acronyms, and Abbreviations

OBRC – Online Book Recommendation System

CF – Collaborative filtering

## References

<https://en.wikipedia.org/wiki/Collaborative_filtering>

<http://nevonprojects.com/online-book-recommendation-using-collaborative-filtering>

## Overview

In the next part of the Vision document we are going to explain how the problem will be

approached, what unique position the product intends to fill in the marketplace and to identify the users and the stakeholders of the system.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | spending too much time looking for new things to buy |
| affects | the quality of chosen books |
| the impact of which is | that clients tend to buy inappropriate books that do not match their taste and give up on reading |
| a successful solution would be | a simple recommendation list based on user’s preferences |

## Product Position Statement

|  |  |
| --- | --- |
| For | online shoppers |
| Who | want to waste less time |
| The OBRC | is an online shop |
| That | assures that everyone finds something on their taste |
| Unlike | normal book shops |
| Our product | saves precious time |

# Stakeholder and User Descriptions

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

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Publishing houses | Companies that are involved in the distribution of printed works such as books | To provide up-to-date sources of information |
| Business Owner | Person who manages the entire activity | To ensures that the system will be maintainable and that there will be a market demand for the available products. |

## 

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Students | Clients that need most research materials and cheap textbooks | Rate correctly the bought books in order to provide a valuable input and to receive a more precise recommendation list | Publishing houses |

## User Environment

The number of people using the system is quite numerous and it depends on the needs.

Due to the fact that OBRC is implemented to save time, the cycle of a task should be as quick as possible, less than a few seconds, but it also varies with the task. Adding a product to the cart should be faster that buying one.

A future platform that could be implemented is extending the system to Android and IOS devices.

# Product Requirements

The first and most important requirement is connection to Internet, since the system is represented using a web page. Moreover, we are working with huge amount of data and we need a secure organized database.