Hofer Oliver, Rabatin Juraj, Todorović Miroslav, Peter Bartoš, Lukáš Častven

# Jibrarian

Vision Document for FIIT STU VAVA project

# Vision

The Jibrarian is a library book reservation software solution designed for the needs of FIIT STU library. The main aim of this application is to improve the experience of borrowing books. Instead of going to the library you can check available books and reserve them from the comfort of your home. You can also keep track of the time when you should return your borrowed books. This application will also simplify work for librarians. It will make their job easier by showing them the state of all books owned by the library.

# Usage Scenario

FIIT STU library is a moderately sized library in the building of FIIT STU. There are 4 librarians, who have the whole library catalog under their responsibility, and there are 2 administrators, who make sure that all systems used to operate this library are running as they should. Nevertheless they still use pen and paper as the main system to keep track of their books. This leads to huge amounts of errors and books that are lost forever. Over time this can lead to a big amount of money lost, that could be used otherwise.  Also, this is a big inconvenience for the potential readers, because they are unable to see if the book is actually in the library or not. Therefore, the interest of readers falls off. Thus, the library decided to digitize processes surrounding reserving, borrowing and administration of its catalog.

# Know your users

## ★ Library Member

Lara has always been a curious person, that's why she would often look for answers in books. Lara is a library member, which allows her to borrow books and other materials from the library's collection. The Jibrarian app allows her to discover new books and to reserve them in only a few steps, which means she uses the app for a very short period. She uses the app whenever she wants to check if the book is available and of course to reserve it. She usually uses the app once a week. Lara can reserve her book anytime with the app directly in the library from one of the computers, or from her personal computer or laptop.

## ★ Librarian

Jana is a professional who works in a library as a librarian and is responsible for the management and organization of the library's collection of books, materials, and other resources. She uses the app to help her find and prepare reserved books and lend them to members, to make sure members are satisfied with the library and to see which books are borrowed and by whom. She uses the app on the computer most of her shift while working in the library. She works typically 4 times a week.

## ★ Administrator

John is a library staff member, and he is responsible for the management and organization of the library's systems. John's role as an admin typically includes managing library systems, supervising library staff, coordinating library programs and services, and ensuring the library runs smoothly and efficiently. He uses the app when he needs to create or remove an account for a librarian, and he uses the app typically once per week, for a few hours.

# Users Language

★ **Borrowing**: The act of checking out or borrowing books, or other resources from the library's collection.

★ **Catalog**: A searchable database that lists the library's collection of materials, including books, journals, and other resources.

★ **Reservation**: A request placed by a user for a specific item that is currently available in the library's collection.

★ **Renewal**: The process of extending the period for a borrowed item.

# Most common tasks

## Library member wants to

- Quickly reserve books from library
- Check their currently borrowed books and their return dates
- Check their currently reserved books and the reservation expiration dates
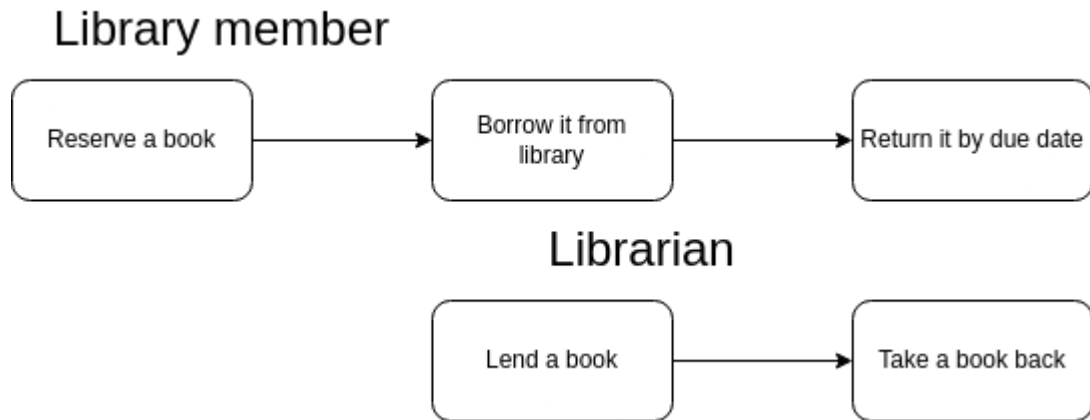
## Librarian wants to

- See which books are borrowed and by whom
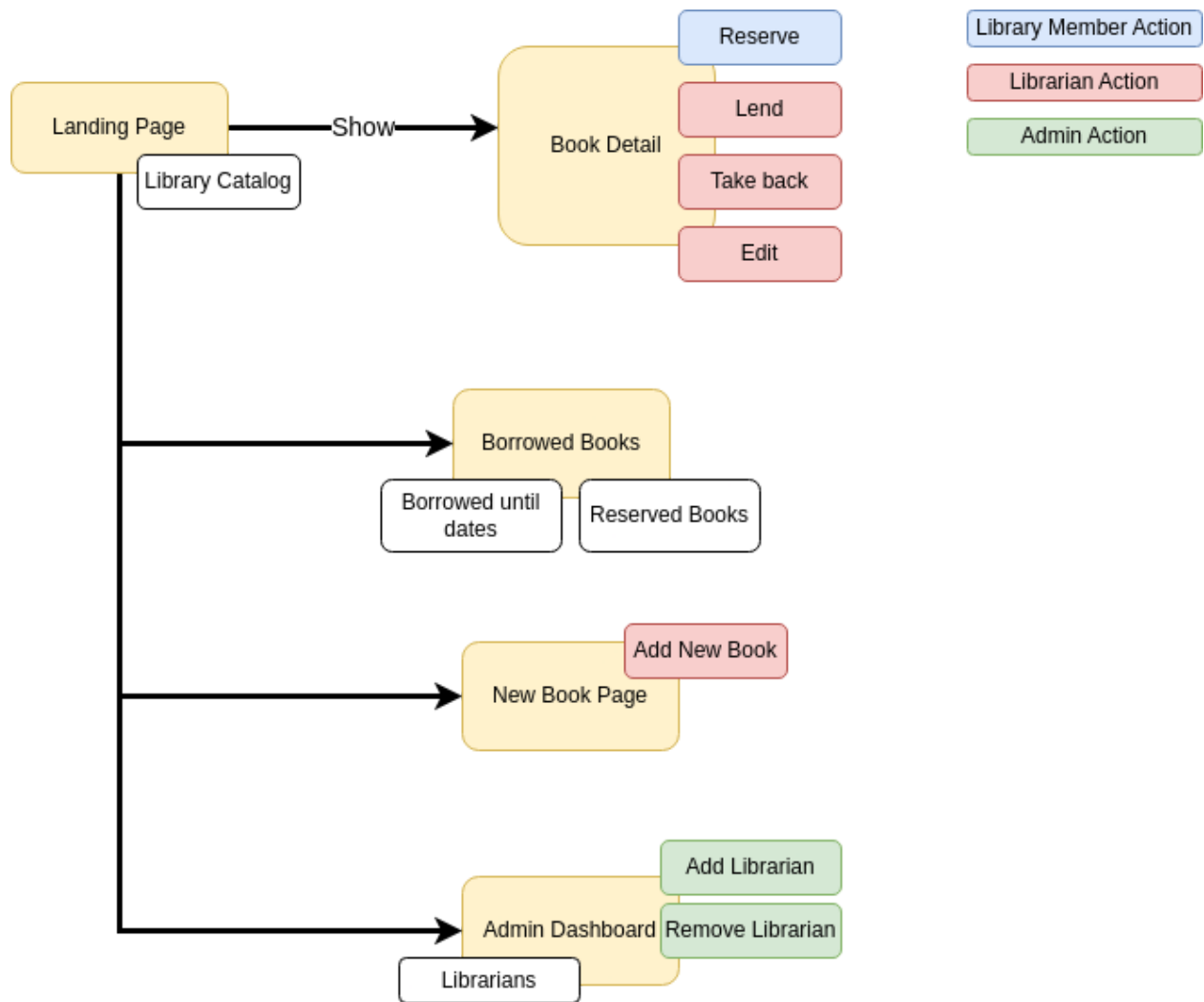- Manage the books inventory in the library

## Administrator wants to:

- Create and remove accounts for new librarians

Hofer Oliver, Rabatin Juraj, Todorović Miroslav, Peter Bartoš, Lukáš Častven

# Main processes

## Library member

| | | |
|---|---|---|
| Reserve a book | → Borrow it from library | → Return it by due date |

## Librarian

| | |
|---|---|
| Lend a book | → Take a book back |

# Navigation

Reserve

Lend

Take back

Edit

Landing Page

Library Catalog

Show

Book Detail

Library Member Action

Librarian Action

Admin Action

Borrowed Books

Borrowed until dates

Reserved Books

Add New Book

New Book Page

Add Librarian

Admin Dashboard | Remove Librarian

Librarians

# Mockups

Jibrarian is a desktop app, so all of these mockups will end up implemented inside a standard desktop application wireframe (with Close, Minimize and To Tray buttons), but these mockups don't include it.

Hofer Oliver, Rabatin Juraj, Todorović Miroslav, Peter Bartoš, Lukáš Častven

# Library Member

## Landing page

| | Library | Borrowed Books | xyz@stuba.sk |

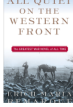**The Hitchhiker's Guide to the...**
Douglas Adams
Language: En   Available: 5

**All Quiet on the Western...**
Erich Maria Remarque
Language: En   Available: 7
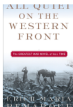
**Drak sa vracia**
Dobroslav Chrobak
Language: Sk   Available: 1

**All Quiet on the Western...**
Erich Maria Remarque
Language: En   Available: 7

**War and Peace**
Lev Nikolajevic Tolstoy
Language: En   Available: 2

**The Hitchhiker's Guide to the...**
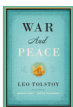Douglas Adams
Language: En   Available: 5

**War and Peace**
Lev Nikolajevic Tolstoy
Language: En   Available: 2
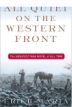
**Drak sa vracia**
Dobroslav Chrobak
Language: Sk   Available: 1

**All Quiet on the Western...**
Erich Maria Remarque
Language: En   Available: 7

**Drak sa vracia**
Dobroslav Chrobak
Language: Sk   Available: 1

**The Hitchhiker's Guide to the...**
Douglas Adams
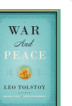Language: En   Available: 5

**War and Peace**
Lev Nikolajevic Tolstoy
Language: En   Available: 2

‹  1  2  3  ...  99  ›

Shows the library's book catalog. Each book has a title, author, language it is written in, and how many are available.

Hofer Oliver, Rabatin Juraj, Todorović Miroslav, Peter Bartoš, Lukáš Častven

## Book Detail

### The Hitchhiker's Guide to the Galaxy

An international phenomenon and pop-culture classic, The Hitchhiker's Guide to the Galaxy has been a radio show, TV series, novel, stage play, comic book and film. Following the galactic (mis)adventures of Arthur Dent, Hitchhiker's in its various incarnations has captured the imaginations of curious minds around the world.It's an ordinary Thursday lunchtime for Arthur Dent until his house gets...

**Language:** En

**Available:** 5

**Reserve**

## Borrowed Books

Library | Borrowed Books | xyz@stuba.sk

### Drak sa vracia
Dobroslav Chrobak
Borrowed until: **9.5.2023**

### All Quiet on the Western...
Erich Maria Remarque
Borrowed until: **9.3.2023**

### All Quiet on the Western...
Erich Maria Remarque
Borrowed until: **9.3.2023**

### The Hitchhiker's Guide to the...
Douglas Adams
Borrowed until: **1.2.2023**

### The Hitchhiker's Guide to the...
Douglas Adams
Borrowed until: **1.2.2023**

### War and Peace
Lev Nikolajevic Tolstoy
Borrowed until: **9.3.2023**

### War and Peace
Lev Nikolajevic Tolstoy
Borrowed until: **9.3.2023**

### Drak sa vracia
Dobroslav Chrobak
Borrowed until: **9.5.2023**

## Reservations

### Drak sa vracia
Dobroslav Chrobak
Reserved until: **1.3.2023**

### The Hitchhiker's Guide to the...
Douglas Adams
Reserved until: **1.3.2023**

### War and Peace
Lev Nikolajevic Tolstoy
Reserved until: **1.3.2023**

Hofer Oliver, Rabatin Juraj, Todorović Miroslav, Peter Bartoš, Lukáš Častven
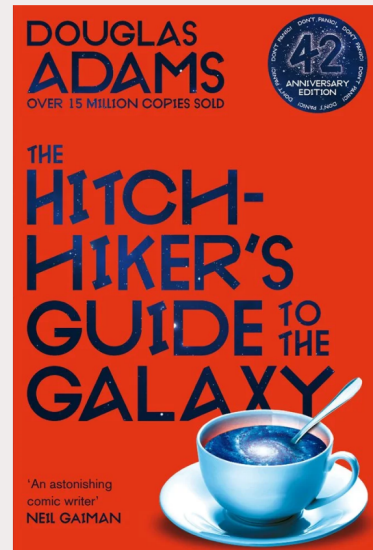
# Librarian

## Book Detail

### The Hitchhiker's Guide to the Galaxy

An international phenomenon and pop-culture classic, The Hitchhiker's Guide to the Galaxy has been a radio show, TV series, novel, stage play, comic book and film. Following the galactic (mis)adventures of Arthur Dent, Hitchhiker's in its various incarnations has captured the imaginations of curious minds around the world.It's an ordinary Thursday lunchtime for Arthur Dent until his house gets...
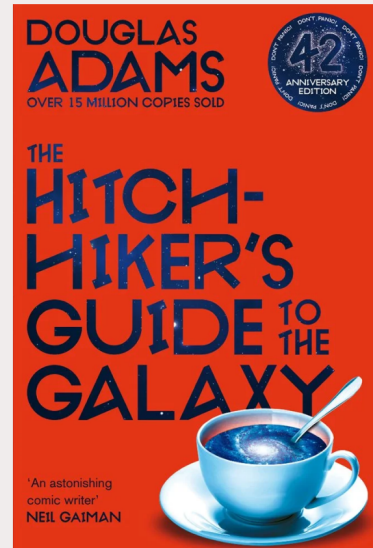
**Language:** En

**Available:** 5          **Reserved:** 5          **Total:** 10

**Give out**

Take in          Edit

## Add Book Page

Library                    Add Book                    xyz@stuba.sk

**Title**          Drak sa vracia

**Author**          Dobroslav Chrobak

**Quantity**          10

**Language**          En

**Description**

"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
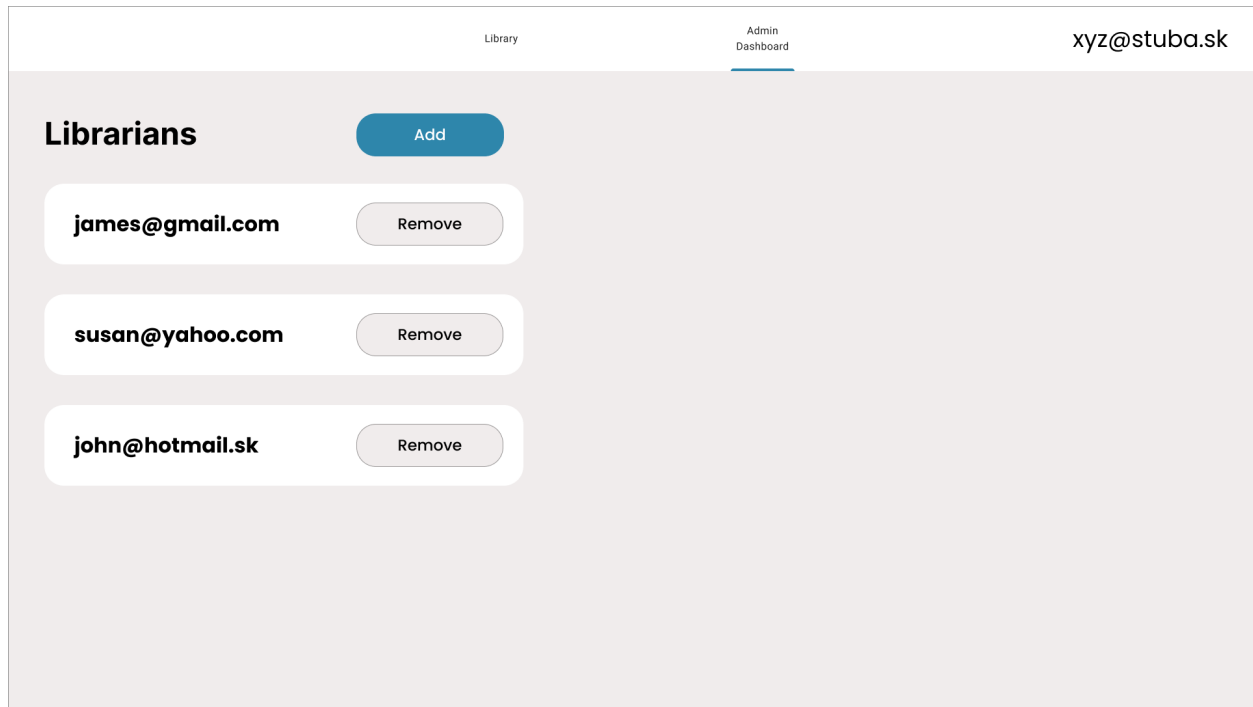
**Choose cover image**

Add          Cancel

Hofer Oliver, Rabatin Juraj, Todorović Miroslav, Peter Bartoš, Lukáš Častven

## Admin

### Admin Dashboard

| Library | Admin Dashboard | xyz@stuba.sk |

**Librarians**  [ Add ]

james@gmail.com  [ Remove ]

susan@yahoo.com  [ Remove ]

john@hotmail.sk  [ Remove ]

# Non functional requirements

1. Platforms: This application is made for desktop. It's developed in Java. Runnable on Windows and Linux.
2. Usability: The application should be easy to interact with. It should have a nice clear layout, that for example even older people could use.
3. Scalability: application should be able to be used by several users at the same time without any performance loss.
4. Performance: this application should be able to run on even older hardware efficiently without using too many resources.