Innopolis Library Media Keeper

Delivery 1

05.02.2018
Introduction to programming II

Delivery tasks

D1

- [ ] Implement **Users** and **Documents** cards;

- [ ] Implement **Booking** system.

D2

- [ ] Implement actions with cards (modify, delete, add);

- [ ] Implement **Return** system;

- [ ] Implement Storage System;

D3

- [ ] Implement **Fine** and **Renew** subsystems;

D4

- [ ] Implement **Search engine**;

- [ ] Everything just works :-)

Goals for this delivery:

☐ Implement **Users** and **Documents** cards; 👨‍🎓 💿

☐ Implement **Booking** system. 📖

Users and Documents cards

Class Patron:
- makes user interaction easier;
- holds user's values;
- allows to work with database (get/set values).

Class ItemCard:
- makes media interaction easier;
- holds media's values;
- allows to work with database (get/set values)

Media ID # 1

Type: Book
Title: «War and Peace»
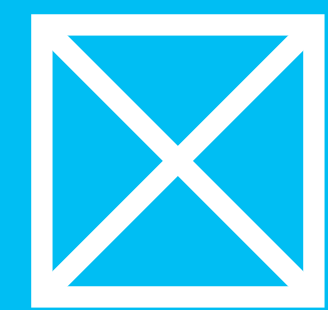**Author(s):** Leo Tolstoi
Available: Yes
Bestseller: Yes

Book

Prev   Next

Live Demo

Goals for this delivery:

☒ Implement **Users** and **Documents** cards; 👨‍🎓 💿
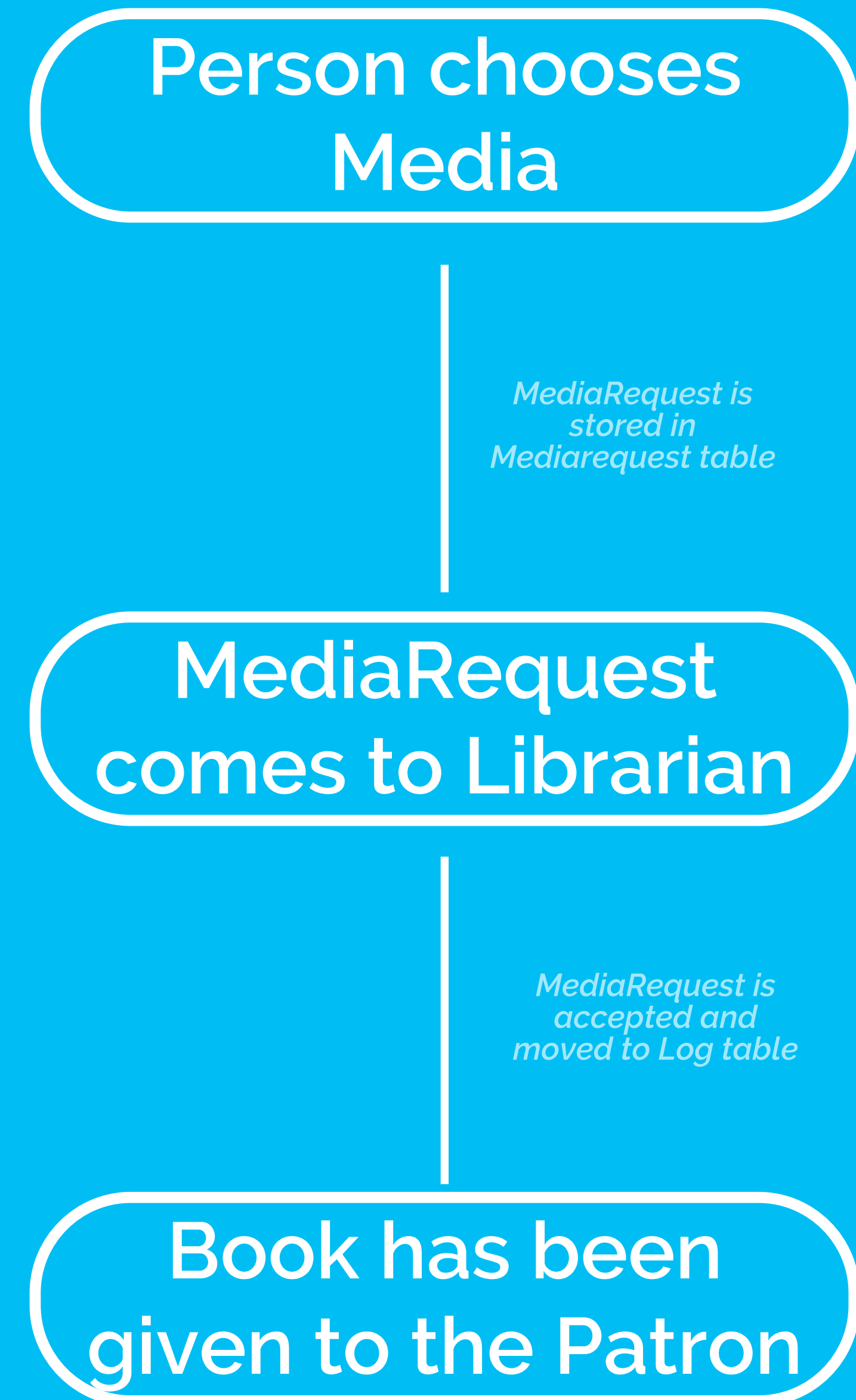
☐ Implement **Booking** system. 📖

Booking system

Booking system creates a *MediaRequest*. When person comes to the Library, *Librarian* gives the book to the person and confirms the *MediaRequest*. From this time issue time starts.
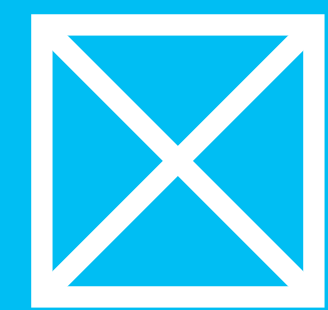
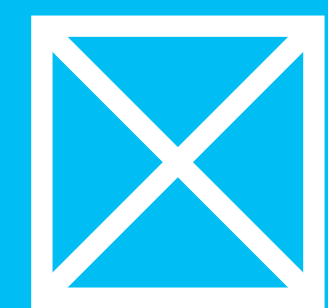It helps to prevent misunderstanding in issuing process and losing medias.

Person chooses Media

MediaRequest is stored in Mediarequest table

MediaRequest comes to Librarian

MediaRequest is accepted and moved to Log table

Book has been given to the Patron

Live Demo

Goals for this delivery:

☒ Implement **Users** and **Documents** cards; 🧑‍🎓 💿

☒ Implement **Booking** system. 📖

Delivery tasks

D1

- ☒ Implement **Users** and **Documents** cards;

- ☒ Implement **Booking** system.

D2

- ☐ Implement actions with cards (modify, delete, add);

- ☐ Implement **Return** system;

- ☒ Implement Storage System;

D3

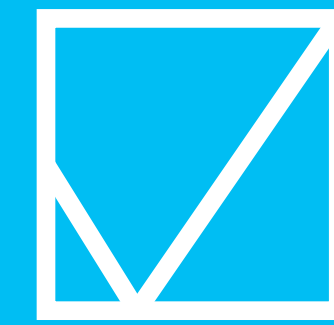- ☐ Implement **Fine** and **Renew** subsystems;

D4

- ☐ Implement **Search engine**;
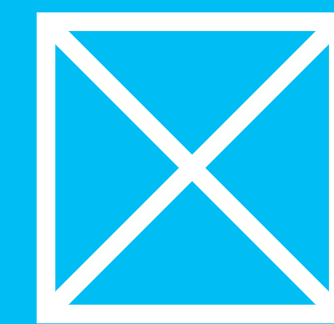
- ☐ Everything just works :-)

Tests

Tests helped us find out some issues which we couldn't recongize without them. Most common ones:
- automatic connection to DB;
- expiry date problems.

☑ **Passed tests:**
1, 2, 3, 4, 5, 7, 8, 9, 10

☒ **Failed tests:**
6

Reason:
System is not compatible enough with issuing copies.

Thank you for attention!
See you next delivery :-)