



TECHNISCHE
UNIVERSITÄT
DRESDEN

Department of Computer Science Institute for System Architecture, Chair of Computer Networks

Application Development for Mobile and Ubiquitous Computing

Seminar Task
First Presentation

GroupNo. 8
Team: Stefan Kretzschmar, Philipp Richter
„SelfShelf“

Dresden, 30.10.2015



DRESDEN
concept
Exzellenz aus
Wissenschaft
und Kultur

- Application Scenario
- Use Cases
- Core Features
- Additional Features
- Technologies
- Architecture
- Challenges
- Mock-Ups
- Work plan

- Mobile android App with core features of amazons „shelfari“ (featured, most popular books, community with user recommendations)





Stefan Kretzschmar

has 4 followers and is following 4 people

Dresden, Sa, Germany

member since January 31, 2012

CHANGE PHOTO

[Account Settings](#)

[Find People to Follow](#)

[Invite Friends](#)

Public Overview

Shelf (94) ▾

Friends ▾

Activity

Groups (0)

Edits

More ▾



sort by

Date Added ▾

displaying 1 - 30 of 93

PREVIOUS

NEXT



All books (93)

I plan to read (46)

I'm reading (2)

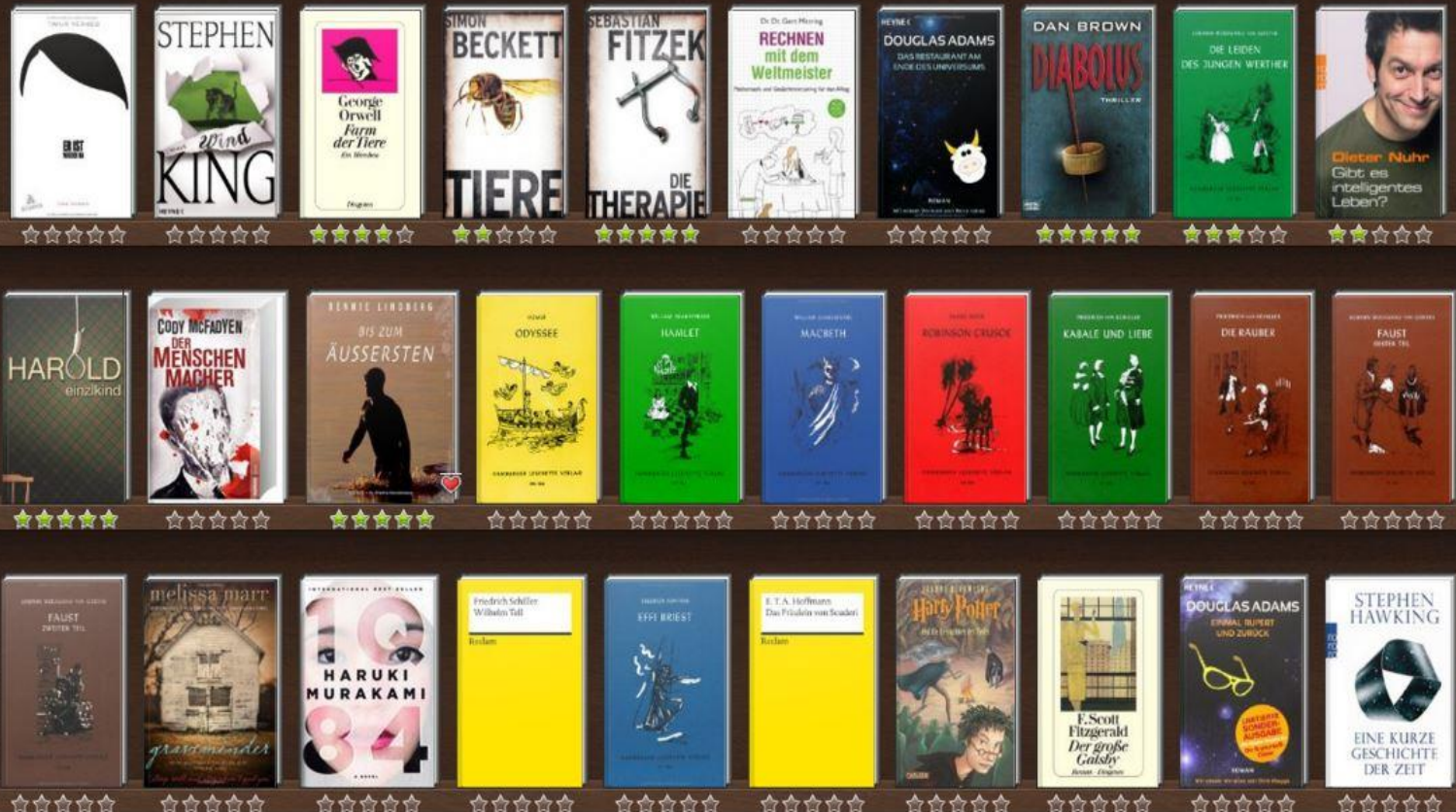
I've read (44)

Favorites (7)

Own (67)

Wish list (0)

PUT YOUR SHELF ON YOUR BLOG



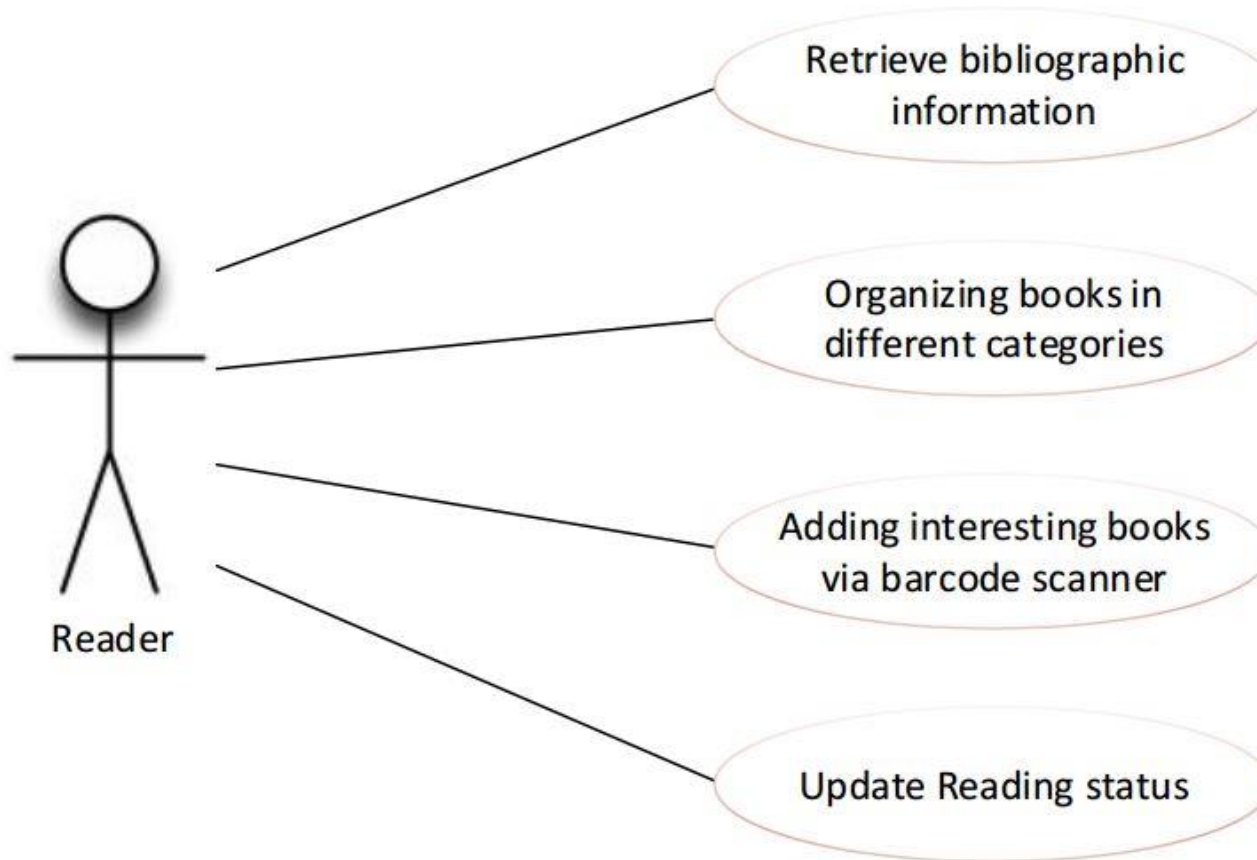
30.10.2015

displaying 1 - 30 of 93

PREVIOUS

NEXT





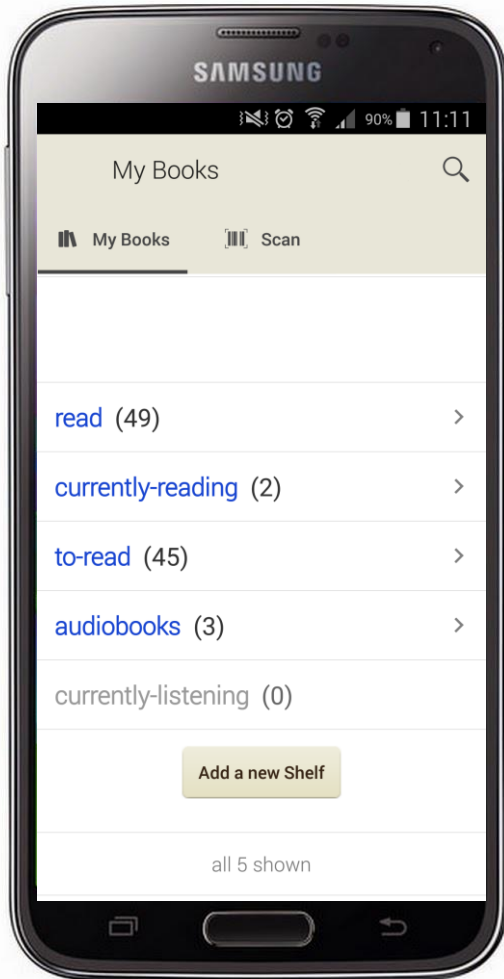
- Creating and deleting shelves
- Adding, moving and deleting books
- Tagging as favourites
- Barcode scanner or search bar to add books
- Sorting books by title, author and year

- Sharing on Twitter/Facebook
- Star rating
- Link to amazon or google shopping
- Reading progress
- Sounds
- Different designes

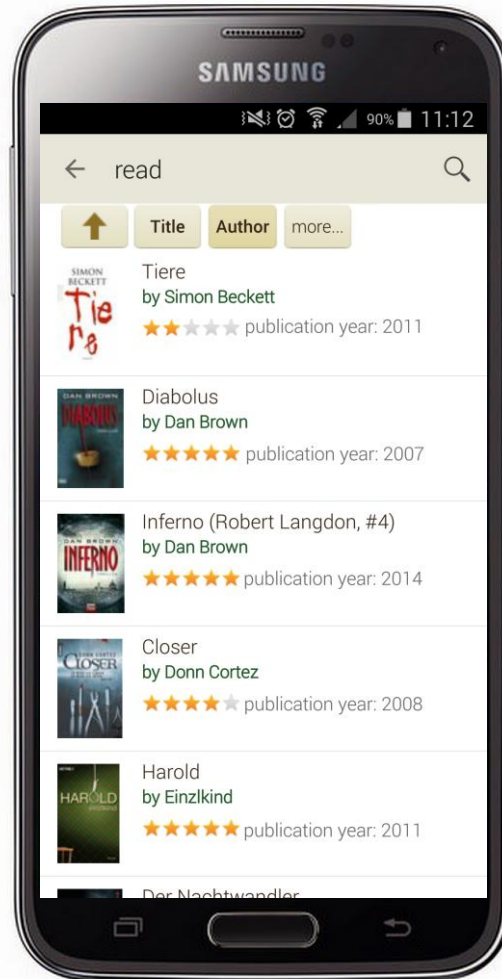
- Android on Samsung Phone
 - Using Eclipse with Android SDK
- API for ISBN database from google books
- SQLite for Data Storage
- Usage of touch sensor and camera



- Usability Challenge
 - Present information properly on android phones
 - Minimize effort for user
- Connectivity Challenge
 - Reduce the amount of data to be transferred via the wireless
- Offline Challenge
 - Provide some functionality when offline, e.g. deleting and moving books



29.10.2015



Application SelfShelf



Slide 11

- 23.10.2015: **First meeting**
 - Finishing app-concept
 - Main application goals
- 30.10.2015: **First presentation**
- 31.10.2015 – 17.12.2015: **Development**
 - Requirement analysis
 - Develop and integrate basic functionalities (retrieve bibliographic informations, data storage)
 - GUI development
- 18.12.2015: **second presentation**
- 19.12.2015 – 28.01.2016: **Finishing development and final implementation**
- 29.01.2016: **Final presentation**