

# FlashCards

## Software Requirements Specification

### Purpose

- The goal of this project is to create flashcards application where user can do whatever he want with flashcards.

### Scope

- In flashcards application user can create, find, modify or study topics with decks and flashcards. Application where users can share their topics or look for interesting topics and add them to their collections.

### System features

- Type of users:
  - Admin
  - User
- Functionalities for admin:
  - Full access to application
  - CRUD
    - Users
    - Topics
    - Reviews
- Functionalities for user:
  - Sign in / Sign up
  - CRUD with topics
  - CRUD with decks
  - CRUD with cards
  - Share topic with other users
  - Add foreign topic to his topics
  - Write comments and rate shared topics
  - Study flashcards

## System restrictions

1. Only user who created topic have access to it.
2. User can share his topic with other users.

## Instructions "How to install the application"

1. Download the project and open it in idea.
2. Press the "start" button in the upper corner to start backend part
3. Launch the frontend part using npm start

## Used technologies

- Frontend
  - ReactJS
  - React bootstrap
  - HTML, CSS
- Backend
  - Java
  - Spring framework
  - PostgreSQL database

## EAR diagram

