



# **Experiments09**

## **Express**

**Open Source SW Development**  
**CSE22300**

# Assignment 1

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- **Library System**
  - **Manages books in memory (array)**
- **Book**
  - **id (Number) : identification number**
  - **name (String) : book's title**
  - **author (String) : book's author**
  - **price (Number) : book's price**

# Assignment 1

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- **READ**
  - Get information of a book
  - GET <http://localhost/book/:bookId>
- **UPDATE**
  - Update information of a book
  - PUT <http://localhost/book/:bookId>
  - Use request body for information of a book

# Assignment 1

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- **WRITE**
  - Make a new book information
  - POST <http://localhost/book>
  - Use request body for information a book
- **DELETE**
  - Delete information of a book
  - DELETE <http://localhost/book/:bookId>

# Assignment 2

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- **User management System**
  - **Manages users in memory (array)**
- **User**
  - **userId (Number) : identification number**
  - **name (String) : user's name**
  - **password (String) : user's password**
  - **isAdmin (Boolean) : Admin**

# Assignment 2

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- **LOG In**
  - Login Support
  - GET `http://localhost/login/:userId/password/:password`
  - Session save (userId, isAdmin)
- **LOG Out**
  - Logout Support
  - GET `http://localhost/logout/:userId/password/:password`
  - Session destroy

# Assignment 2

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- **READ**
  - Get information of a user
  - GET <http://localhost/user/:userId>
  - Only admin can call this API
- **UPDATE**
  - Update information of a user
  - PUT <http://localhost/user/:userId>
  - Use request body for information of a user
  - Only admin can call this API

# Assignment 2

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- **WRITE**
  - Make a new user information
  - POST <http://localhost/user>
  - Use request body for information a user
  - Only admin can call this API
- **DELETE**
  - Delete information of a user
  - DELETE <http://localhost/user/:userId>
  - Only admin can call this API