

AASTU DIGITAL LIBRARY

A SHORT PRESENTATION

OVERVIEW

- Purpose
 - To allow using of learning and academic resources shared by the website users
- Objective
 - Share learning resources
 - Read learning resources online
 - Download learning resources

REQUIREMENTS

- Functional Requirements
 - Sharing learning resources
 - Read online & download learning resources
 - Shared resources rating
 - Search resources by title
 - Statistics about learning resources transaction
- Non-Functional Requirements
 - Availability
 - Security (user authentication and validation)
 - Good response time

NODE.JS PART

- Features implemented using Node.JS
 - User authentication & role-based authorization
 - User login validation & sign up
 - Email based forgot password
 - CRUD Operation (Add, Edit and Delete books)
 - Search books by title, author, genre and keyword
 - Import and export books
 - Book cover image upload
 - Link book card to description
- Modules used
 - Core: path, fs
 - Third-party: express, express-validator, express-session, connect-flash
 - Local: homepage, registerPage, loginPage, forgotPassword

CHALLENGES

- PHPMailer: sometimes works, and sometimes it doesn't work
- Changing PHP project to Node.JS
- Not being very familiar with Node.JS framework
- Short period given