Sorting Machine

Students:

Mohammad Yahya

Radwan Al-Boom

Supervisor:

DR.Suleiman Abu Kharmeh & DR.Hanal Abuzant

Outline

- **Introduction.**

- **Objective**

- **System Features.**

- **Programming Languages and Frameworks.**

- **Deployment.**

- **Future Work**

Introduction

- Education is one of the basic things in all societies, as it contributes to its progress and development. Under the circumstances in which the world is going Through the Corona pandemic, normal education has become difficult, so everyone has turned to e-learning.

Objective

- The main objective of this project was to create an interactive e-learning platform that contains everything that students need during their e-learning journey without any complications in accessing important information, interacting with other students and communicating with teachers for getting their feedback.

Interaction can be between:

- Student with the content.

- Student with teacher.

- Student with student.

System Features

- Users can use the system: admin, teachers and students.

- Admin creates the courses to be joined by the teachers and students.

- Admin or teacher can add/update/delete classcourses, chapters, lectures, files and exams.

- If the teachers or students need to register to the application, they must send a registration request to the administrator by using the registration page.

- Administrator can keep track the registered teachers and students in the system.

- Student during the learning will face a quiz at the end of each chapter, and he will not be able to jump to the next chapter until he passes the quiz for the current chapter.
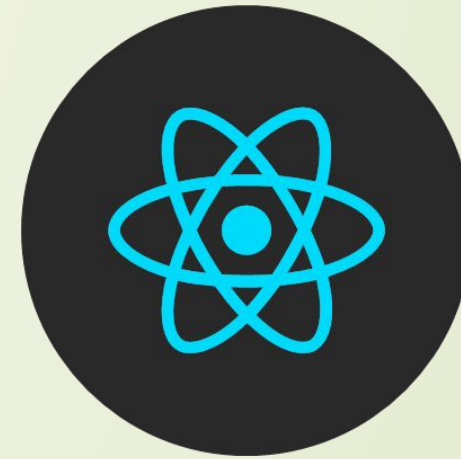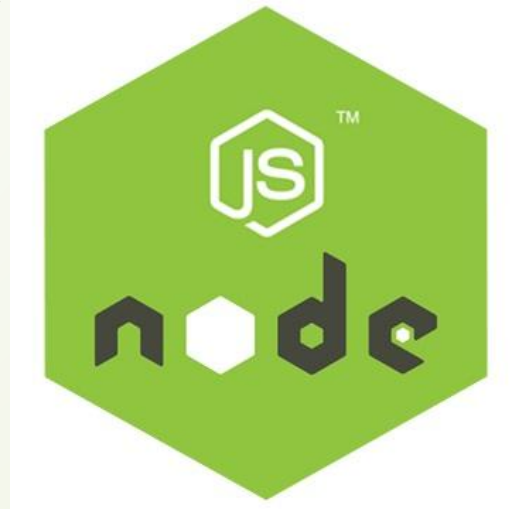
System Features (Cont.)

- Teacher has the ability to export files from the system.

- Push Notifications.

- Chat application.

- Each class course has its own chat room, so the student can join these rooms and start a discussion with other students about a particular class course

- The teacher can invite students to give a live lecture by sending them a Zoom link.

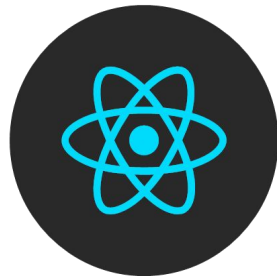- After passing each quiz, the review will be available for the student to check the answers keys.

Extra Features (Cont.)

- Security: Authentication, Authorization and Validation.

- Caching.

- State Synchronization across different tabs or different browsers.

- Responsive web design

Programming Languages and Frameworks

Deployment

Future Work

- Developing the site to become an official site approved in schools.

- Create a mobile application for the website that works on all platforms such as Android and IOS.

- Add a live broadcast feature in the classroom to increase interaction between students and teachers.

Any Questions?

Thank you!