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College of Computer and Information Sciences

Computer Science Department

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**Project Report**

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| Instructor: | Dr. Fahman Ali Saed |

**Overview**

**Project Title: Picture Quiz Game**

**Description**

The Picture Quiz Game is an interactive multiple-choice game where players select images as answers to questions. It aims to provide an engaging and educational experience for users of all ages.

**Goals**

* To create a fun and engaging learning tool.
* To provide a visually appealing quiz experience.
* Helping memory to remember.
* To support visual learners and enhance knowledge retention.

**Flow Chart**

From [here](https://miro.com/app/board/uXjVKDjUcsA=/?utm_source=showme&utm_campaign=cpa&utm_content=graph)

**Technologies Used**

* **Frontend**: HTML5, CSS, JavaScript and ES6 classes.
* **Backend**: Node.js, Express
* **Database**: MongoDB
* **Hosting**: Local Server

**Setup**

git clone <https://github.com/Dhom21/WebProject.git>

**You need:**

* Database (MongoDB).
* NodeJs.
* Preffered browser (Google Chrome).

**Installation**

To install and run this project - install dependencies using npm (npm install express mongoose handelbars) and then start your server:

$ npm install MongoDb

**Instructions Step by Step**

1. Connect to the MongoDB.
2. Import images.csv file to images collection in imgNamesDb database.
3. Run the server.js file in NodeJS then it should display "connected... MongoDb connected.." in the terminal console.
4. Finally open in your preferred browser go to (<http://localhost:3000/>) and the website should work.

**Future Work**

* Implement additional question categories.
* Add user authentication for personalized quizzes.
* Enhance performance and mobile responsiveness.
* Integrate social sharing features.

**Resources**

* React Documentation
* Node.js Documentation
* Express Documentation
* [MongoDB Documentation](https://docs.mongodb.com/)

**Team Members**

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