FASHION STYLE QUIZ WEB APPLICATION

A PROJECT REPORT

Submitted by
RITIKA
BORA

in partial fulfilment for the award of the degree of BACHELOR

OF ENGINEERING
in
COMPUTER SCIENCE AND ENGINEERING

CHANDIGARH UNIVERSITY
November - 2025

BONAFIDE CERTIFICATE

Certified that this project report entitled **"Fashion Style Quiz Web Application"** is the bonafide work of **Ritika Bora** who carried out the project work under my supervision in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering.

SIGNATURE **SIGNATURE**
HEAD OF THE DEPARTMENT SUPERVISOR
Er. Deep Prakash Gupta
Department of Computer Science and Engineering

ACKNOWLEDGEMENT

I would like to express my sincere gratitude to **Chandigarh University** for providing the opportunity to work on this project titled “Fashion Style Quiz Web Application.” This project gave me valuable hands-on experience in developing a web application integrating frontend design, backend logic, and data storage in a structured format.

I am deeply thankful to my Supervisor, [Supervisor Name], for their continuous guidance, valuable feedback, and technical support throughout the development process. I also extend my gratitude to the Head of Department and all faculty members of the Department of Computer Science and Engineering for their assistance and encouragement.

Finally, I thank my friends and family for their motivation, patience, and constant support, which helped me successfully complete this project.

ABSTRACT

The Fashion Style Quiz Web Application is a simple interactive platform that identifies a user's fashion personality based on their responses to multiple-choice questions. The project is built using HTML, CSS, JavaScript, and Node.js. Users first sign up by providing their name and email address. Then, they proceed to take a short quiz about their fashion preferences. At the end of the quiz, the system determines the user's fashion style (such as Streetwear, Vintage, or Chic) and stores the result in a local JSON file.

The application demonstrates the use of frontend and backend integration, RESTful APIs, and file-based data storage using Node.js and Express. It ensures a smooth, user-friendly experience and serves as a foundational model for future applications involving personalization or fashion recommendations.

CHAPTER 1: INTRODUCTION

1.1 Background

In today's digital environment, interactive and personalized applications have become a key factor in engaging users. The Fashion Style Quiz Web Application identifies users' fashion preferences through an interactive quiz, providing instant results based on their responses. It is developed using web technologies such as HTML, CSS, JavaScript, and Node.js for server-side functionality.

1.2 Problem Identification

Many fashion-related websites offer content and shopping experiences but lack personalized engagement. Users often have no way to discover their own fashion type in a fun and interactive way.

1.3 Need for the Project

This project aims to create a simple and user-friendly system that allows users to explore their personal fashion style while also learning basic web interaction. It serves as a foundation for more advanced systems that could offer recommendations in the future.

1.4 Objectives

- To design an attractive and responsive web interface for the quiz.
- To implement a backend using Node.js and Express.
- To collect and store user details and results in a JSON file.
- To display personalized style results instantly.

1.5 Organization of the Report

- Chapter 1 introduces the project and its objectives.
- Chapter 2 describes the system design and flow.
- Chapter 3 explains the implementation, testing, and results.
- Chapter 4 concludes the work and outlines future enhancements.

CHAPTER 2: DESIGN FLOW / PROCESS

2.1 Concept Generation

The Fashion Style Quiz follows a simple client-server model. The frontend (HTML, CSS, and JavaScript) manages user interaction, while the backend (Node.js and Express) handles signup, quiz result processing, and storage in a local JSON file.

2.2 System Architecture

Modules:

1. Signup Module – Collects user name and email.
2. Quiz Module – Displays questions and records user choices.
3. Result Module – Determines fashion style based on responses.
4. Data Storage Module – Saves signup details and quiz results in a JSON file.

2.3 Design Constraints

• The system runs locally on Node.js.
• Data is stored in a JSON file on the server.
• Limited number of quiz questions and categories.

2.4 Implementation Plan

Component	Technology Used
Frontend	HTML, CSS, JavaScript
Backend	Node.js, Express
Data Storage	Local JSON file
Testing Tools	Browser, Postman

CHAPTER 3: RESULTS ANALYSIS AND VALIDATION

3.1 Implementation of Solution

The project consists of HTML, CSS, and JavaScript for the frontend. Node.js and Express handle the backend logic. Signup details and quiz results are saved in a JSON file using the filesystem (fs) module. The server routes include /signup and /save-result.

3.2 Testing and Validation

Input	Expected Output
Name + Email	Signup successful
Quiz answers leaning 'Streetwear'	Result Streetwear
Existing email re-signup	Error: 'Email already registered'
Missing email	Error message shown

3.3 Results

Users are able to sign up, take the quiz, and instantly see their style results. Data is stored successfully in the local JSON file. The system performed accurately and reliably during all tests.

CHAPTER 4: CONCLUSION AND FUTURE WORK

4.1 Conclusion

The Fashion Style Quiz Web Application successfully integrates frontend interaction with backend processing and local JSON storage. It provides users with immediate results and demonstrates a basic but complete web development cycle.

4.2 Future Work

• Add more quiz questions and categories.
• Include a login system for users.
• Display stored results on a webpage.
• Add an admin panel to view all results.
• Eventually connect to a cloud database for scalability.

REFERENCES

Node.js Documentation – https://nodejs.org/

Express.js Documentation –

https://expressjs.com/

W3Schools HTML/CSS/JS –

https://www.w3schools.com/ MDN Web Docs –

https://developer.mozilla.org/

Postman API Tool – https://www.postman.com/

APPENDIX – USER MANUAL

System Requirements:

Node.js installed, Browser, Internet connection (optional).

Steps to Run the Application:

1. npm install
2. node server.js
3. Open http://localhost:3000/signup.html
4. Sign up □ take the quiz □ view result.

Example Flow:

Input – Ritika Bora, ritika@mail.com, answers □

Streetwear Output – '■ Your style is: Streetwear!'