<u>**Annexure I**</u>        **GB-7**

1. **Project Statement:** The goal is to build a distributed enterprise web application which enables the users to upload media like videos.The project will be developed as Full Stack Web app using technologies such as React.js | Java Spring Boot | Spring Data | Hibernate | MySQL.

2. **Approximate duration (in hours) to complete the project** : 100 hours

3. **Proposed Project In charge:** Dr. Harveen Kaur, Assistant professor ,Department of computer science and engineering, Chitkara university, Punjab , India.

4. **Team Members along with roll no's(GB-7)**<u>**:**</u>
   a. ASHISH KUMAR - 1811981075
   b. SHIVANT KUMAR PANDEY - 1811981296
   c. NARAYAN SINGLA -1811981197
   d. GURUCHARAN MARPU - 1811981135
   e. RIYA PANHOTRA - 1811981262

5. **Check Points**<u>**:**</u>

   a. This is a music hoster web application in which users can store and retrieve their music. This is not a product based application as it gives services to
   users.

   b. This is not a product based application this is a service based application which can be used through websites.

   c. Yes, this application uses multiple concept because both the frontend and
   backends are working on different technologies.

   d. Yes, we are members of five that are passionate about the technology and show their skills in this project.

*6.* **Technical Nodes (*add more rows in the table below, if required)***

| Subject/Area/Topic | Technical Nodes |
|---|---|
| Front-End | React, Redux, React Router, Bootstrap, HTML5, CSS3, JavaScript |
| Back-End | Java, Spring Boot, Spring Data, Hibernate |
| DataBase | PostgreSQL |

7. **Prerequisites (in terms of knowledge, concepts and material) for doing the Project:**

- Must have Knowledge of SpringBoot.
- Must have Knowledge of HTML, Css, JavaScript.
- Must have knowledge of Reactjs.
- Knowledge of heroku is a plus.
- Knowledge of core java and Advance java.
- Knowledge of PostgreSQL.

8. **Material that may be required to make the project and where it might be available :**

- IntellijIdea, Postman,  PostgreSQL, VisualStudio.

9. **What could be the total cost of the project?**
   **NILL**

10. **Resources available to us:**

- **IntellijIdea -** https://www.jetbrains.com/idea/

- **VisualStudio -** https://code.visualstudio.com/download

- **ReactJs -** https://reactjs.org/docs/getting-started.html
- **Hibernate -** https://hibernate.org/orm/documentation/5.4/
- **Material Design -** https://material.io/components

**Annexure II**

**PROJECT SYNOPSIS REPORT**

**ON**

**MUSICHOSTER**

**SUBMITTED**

**TO**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**FOR**

**INTEGRATED PROJECT (CS203 )**

**Submitted By :** Group-7(GB-7)

**Name(s) :** Ashish Kumar, Gurucharan Maparu, Narayan Singla, Riya Panhotra, Shivant Kumar Pandey

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**Semester :** VI

**Session :** 2021-2022

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1. **Problem Statement :** The goal is to build a distributed enterprise web application which enables the users to upload media like videos. By using this web application people can store their media files and access it through the internet whenever they want to use it.

2. **Title of the Project :** Music Hosting Web Application

3. **Objective & Key Learnings :**

   **Security :-**

   - App Platform –UserName/Password-Based Credentials
   - Sensitive data has to be categorized and stored in a secure manner.
   - Secure connection for transmission of any data

   **Performance :-**

   - Peak Load Performance
   - Music hoster application
   - Admin application
   - Non-Peak Load Performance

   **Availability :-**

   - 99.99 % Availability Standard

## Features :-

- Scalability
- Maintainability
- Usability
- Availability
- Failover

## Logging :-

- The system should support logging(app/web/DB) & auditing at Auditing all levels.
- Should be able to monitor via as-is enterprise monitoring tools.
- The Solution should be made Cloud-ready and should have a minimum impact when moving away to Cloud infrastructure.

## Application assumptions :-

- The login page should be the first page rendered when the application loads.
- Manual routing should be restricted by using AuthGuard by implementing the can activate the interface. For example, if the user enters as http://localhost:3000/signup or http://localhost:3000/home the page should not navigate to the corresponding page instead it should redirect to the login page.
- Unless logged into the system, the user cannot navigate to any other pages.
- Logging out

**4.Options available to execute the project:**

- IntelliJ IDEA / VS Code
- MYSQL Server / PostgreSQL

## 5. Advantages/ Disadvantages :-

### Advantages :-

- Music Hoster is a Application Which helps users to Store their music on this platform so that at the time of requirement they will easily be able to get it.
- We Used Latest Technology to Build this Application so that our Users don't get any delay on our Application.
- Sharing of files is much easier through our Platform.

### Disadvantages :-

- There will be chances of data loss due to server errors or some technical error.
- The world is addicted to the internet and our Application will permit it.
- Without the Internet you will not access our data.
- Your Account gets Hacked.

## 6. References :-

- **IntellijIdea** - https://www.jetbrains.com/idea/
- **VisualStudio** - https://code.visualstudio.com/download
- **ReactJs** - https://reactjs.org/docs/getting-started.html
- **Hibernate** - https://hibernate.org/orm/documentation/5.4/
- **Material Design** - https://material.io/components