## Front End Engineering-II

Project Report

Semester-IV (Batch-2022)

Stellar Snap

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**Introduction:**

**Background:**

Stellar Snap is a website designed by us after being inspired from platforms like Pinterest, Pexels, Pixabay, etc. in order to provide users with a platform to discover, save, and share visually engaging content. Built using React.js for the front end, Stellar Snap offers a seamless and interactive user experience. The project uses modern web development technologies to ensure performance, scalability, and maintainability.

The concept emerged from a desire to create a visually appealing and user-friendly space for image discovery. While many existing platforms offer image sharing and uploading capabilities, our project is unique in its focus on the user experience of browsing and viewing images. By drawing inspiration from Pinterest’s intuitive design, it aims to provide a seamless and enjoyable browsing experience that encourages users to explore and engage with visual content.

The user interface is built using HTML, CSS, and JavaScript frameworks such as React.js, ensuring a seamless and interactive user experience.

It is designed with several key features to enhance the user experience of discovering and viewing images:

1. **Image Browsing:** Users can browse through a diverse selection of high-quality images displayed in an organized, grid-based layout. This feature ensures that users have access to a broad array of visually appealing content.
2. **User Authentication:** Although users cannot upload images, manage profiles, or interact through comments, secure user authentication mechanisms are in place to prepare for future interactive features. Our foundation ensures that additional functionalities are introduced, and user data and privacy will be protected.
3. **Simplified Navigation and Discovery:** Users can easily navigate the platform to discover new content. The design emphasizes straightforward browsing to enhance the discovery experience.

The primary objectives of Stellar Snap are:

1. **Enhancing Accessibility:** Providing users with easy access to a diverse selection of high-quality images through a user-friendly platform.
2. **Fostering Discovery:** Encouraging users to explore and discover new visual content, fostering a sense of curiosity and inspiration.
3. **Laying the Groundwork for Future Features:** Preparing the platform for future enhancements that will include user interaction, image uploading, and profile management.

Our project aims to continuously evolve by incorporating user feedback and integrating new features. Planned future enhancements include:

User Uploads and Profile Management: Introducing functionalities that allow users to upload images, manage their profiles, and create personalized collections.

Comments and Social Interaction: Adding features that enable users to comment on images, interact with each other, and engage in discussions.

Mobile Application: Developing a mobile app to provide users with access to Stellar Snap on the go.

Curated Collections and Advanced Search: Implementing curated collections and advanced search functionality to improve content discoverability and user experience.