## Front End Engineering-II

Project Report

Semester-IV (Batch-2022)

Stellar Snap

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| **Supervised By:** | **Submitted By:** |
| Dr. Yogesh | Pearl 2210990648 G-8 |
|  | Prachi Anand 2210990660 G-8 |
|  | Prachi Malik 2210990661 G-8 |

**Department of Computer Science and Engineering**

## Chitkara University Institute of Engineering & Technology,

## Chitkara University, Punjab

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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 currently cannot upload images, manage profiles, or interact through comments, secure user authentication mechanisms are in place to prepare for future interactive features. This foundation ensures that when additional functionalities are introduced, user data and privacy will be protected.
3. **Simplified Navigation and Discovery:** Users can easily navigate through 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.