

Efficient

InternScope

Web-based platform for InternShips

Search

Apply

Search

Save

Apply

Search

Students



InternScope

Development of an Enhanced Internship Portal

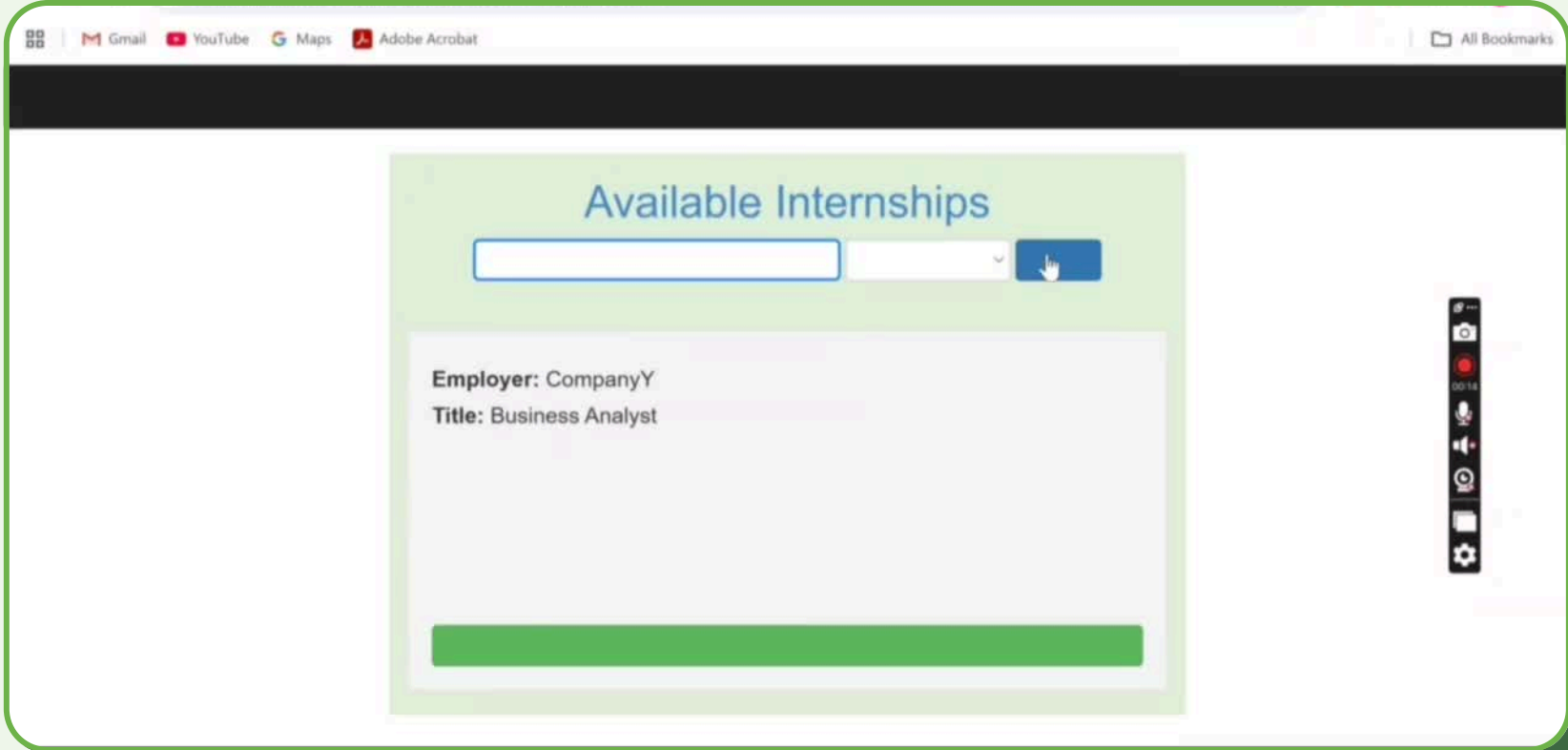
Team: Hira, Taneesha, Darya, Nahl

Date: 31/01/2024



Project Overview

WE'RE THRILLED TO PRESENT OUR PROJECT: AN ENHANCED INTERNSHIP PORTAL DESIGNED TO CONNECT STUDENTS WITH MEANINGFUL OPPORTUNITIES. IN TODAY'S COMPETITIVE LANDSCAPE, FINDING THE RIGHT INTERNSHIP CAN BE A DAUNTING TASK. OUR PORTAL ADDRESSES THIS CHALLENGE BY PROVIDING A USER-FRIENDLY PLATFORM WITH A POWERFUL SEARCH ENGINE, STREAMLINING THE ENTIRE PROCESS FOR BOTH STUDENTS AND EMPLOYERS. WE LEVERAGED THE ROBUST CAPABILITIES OF PHP AND THE RESPONSIVE DESIGN OF BOOTSTRAP TO CREATE A DYNAMIC AND ACCESSIBLE EXPERIENCE.



Taneesha (22sw082): Project Manager

- Coordinated project timelines and deliverables.
- Facilitated team meetings and progress check-ins.
- Ensured effective communication among team members

Hira (22sw076): Backend Developer

- Developed the server-side logic using PHP.
- Designed and managed the MySQL database schema.
- Implemented the internship posting and application modules.

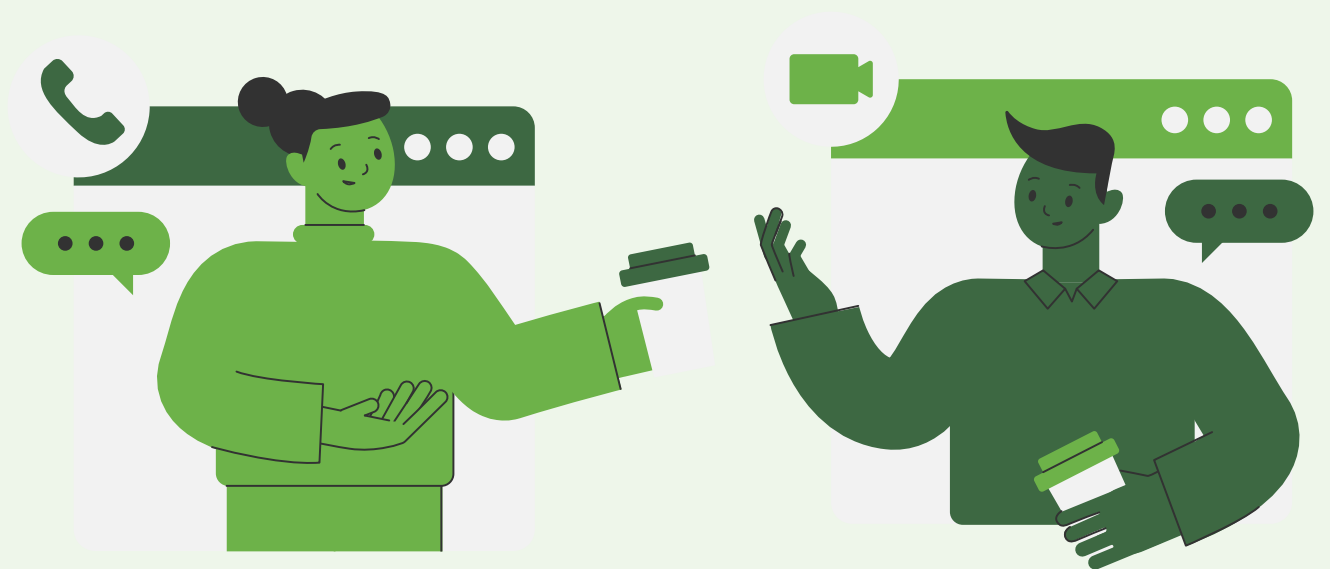
Darya (22sw101): Frontend Developer

- Crafted the user interface using HTML, CSS, and Bootstrap.
- Ensured responsive design across various devices.
- Integrated frontend elements with backend functionalities

Nahl (22sw107): Feature Specialist & Frontend Developer

- Developed client-side logic and advanced internship search features with filters and algorithms.
- Integrated frontend with backend for seamless functionality.
- Ensured accuracy, efficiency, and reliability through comprehensive testing.

Team Contributions



Key Features



EFFORTLESS REGISTRATION AND LOGIN

A streamlined registration process allows both students and employers to quickly create accounts and access the portal's functionalities securely.

EMPOWERING EMPLOYERS

The Employer Dashboard provides a dedicated space for companies to post internship opportunities, manage applications, and connect with potential candidates.

THE POWER OF SEARCH

Our advanced search functionality is the key to unlocking the perfect internship. Students can filter by location, industry, duration, skills, and more, ensuring they find opportunities that truly align with their career goals. The search algorithm prioritizes relevance, presenting the most suitable internships first.

STUDENT-CENTRIC DESIGN

The Student Dashboard offers a personalized view of relevant internships, allowing students to easily browse, save, and apply for positions that match their interests and skills.

Advanced Search Feature Demonstration



Let's dive into the heart of our portal: the advanced search functionality. This isn't just a simple keyword search; it's a sophisticated engine designed to connect students with precisely the right opportunities.

See how quickly the results are filtered and displayed? Our search algorithm prioritizes relevance, so the most relevant internships are always at the top.

Clicking on an internship takes the student to a dedicated page with comprehensive information about the role, the company, and the application process.

We believe that this advanced search functionality is a game-changer for internship seekers. It empowers them to take control of their search, discover relevant opportunities quickly and easily, and ultimately, find the perfect internship to launch their career.

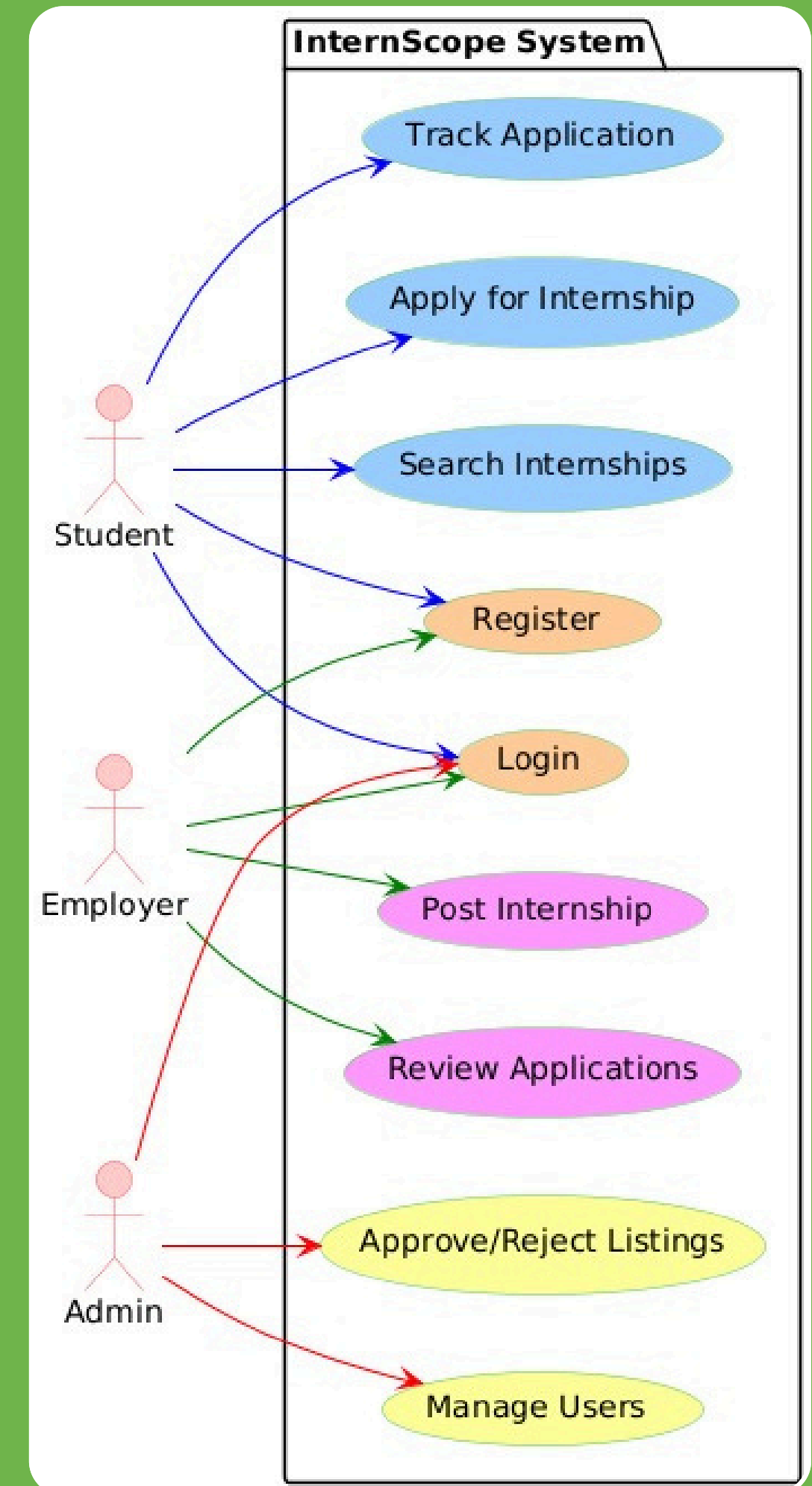
How It Works: A Look at the System Design

Now, let's take a peek under the hood and see how the InternScope system is structured. This diagram illustrates the system's architecture, focusing on the different user roles and their interactions with the core functionalities.

As you can see, we have three primary user types: Students, Employers, and Administrators. Each interacts with the system in specific ways, represented by these use case bubbles.

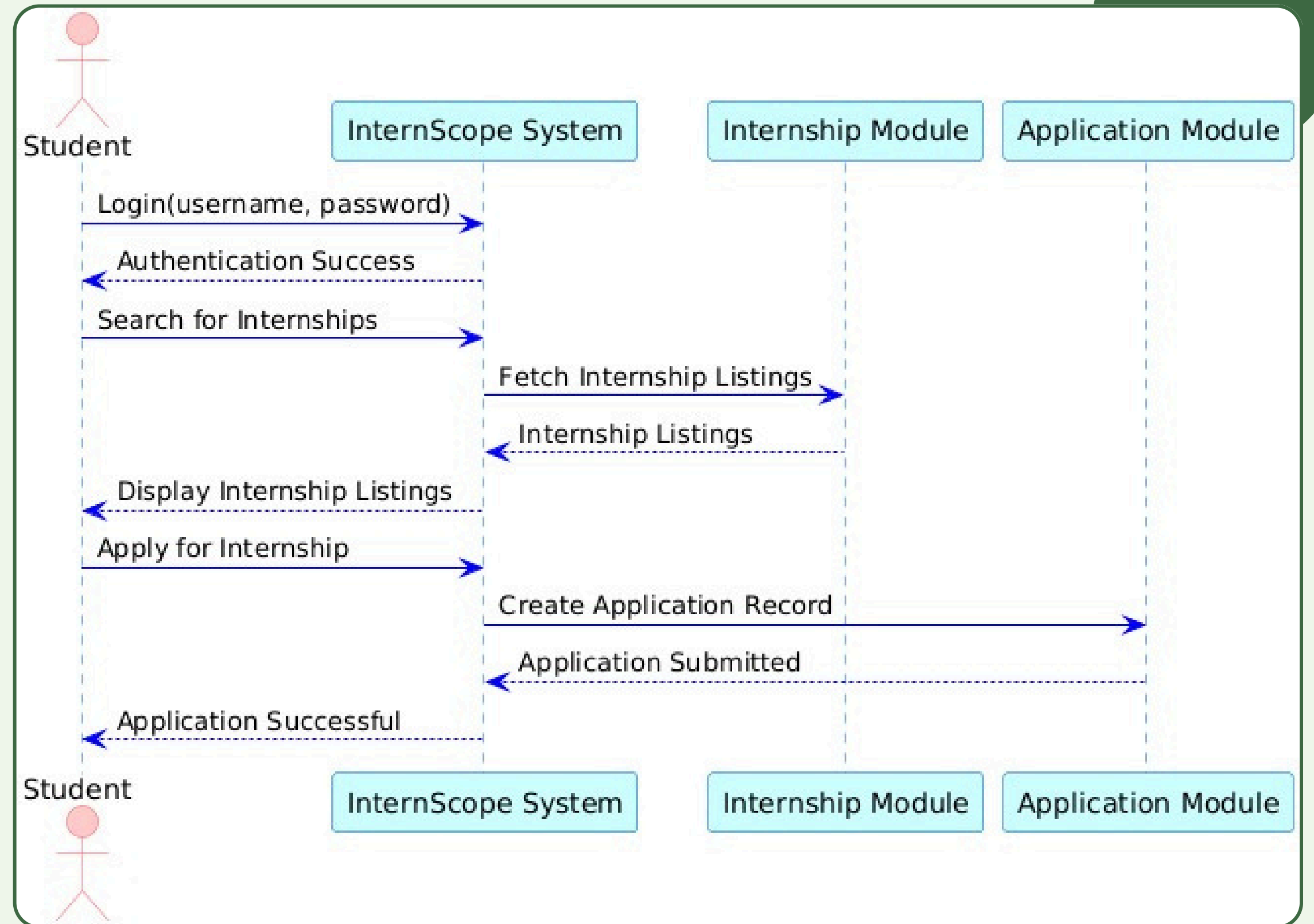
The lines connecting the user roles to the use cases represent the interactions. For example, the line connecting "Student" to "Search Internships" shows that students utilize this functionality.

This diagram gives you a high-level understanding of how the InternScope system is organized and how different users interact with it. It highlights the key features and the flow of information within the platform.



Technical Workflow: Applying for an Internship

This sequence diagram breaks down the interaction flow into its essential components, showing how the student, the system, and its modules work together to facilitate internship applications. It highlights the key steps involved and provides a clear picture of the technical processes behind this core functionality



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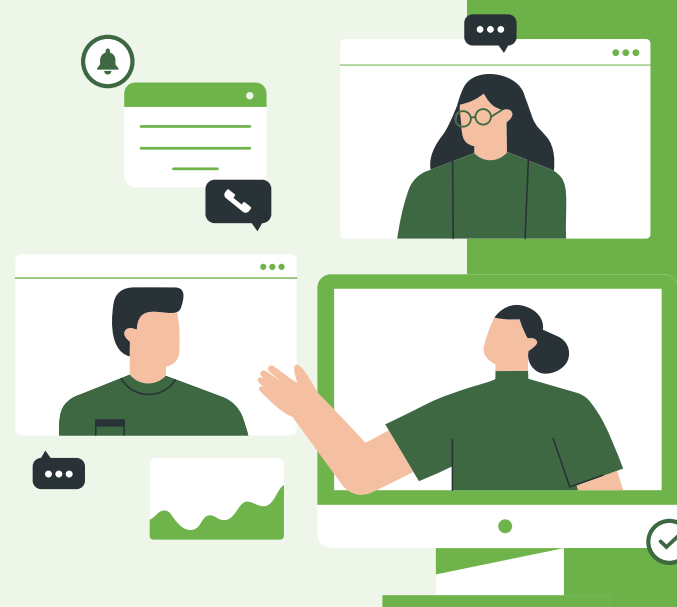
Navigating Challenges, Achieving Success

Building a robust internship portal presented some key challenges. We focused on two in particular: making sure the advanced search worked perfectly with the rest of the site, and ensuring the search results were accurate and useful



INTEGRATION:

We wanted the search to feel like a natural part of the portal, not a separate feature. This meant careful coding and lots of testing to ensure everything worked together smoothly. We did code reviews and had other team members test the portal to catch any issues early.



RELEVANCE:

A good search engine needs to give good results. We used smart algorithms to rank internships based on keywords, student skills, and other factors. We also made sure employers entered data consistently so the search results were accurate. This combination of careful coding and smart algorithms helped us build a search feature that's both powerful and reliable.

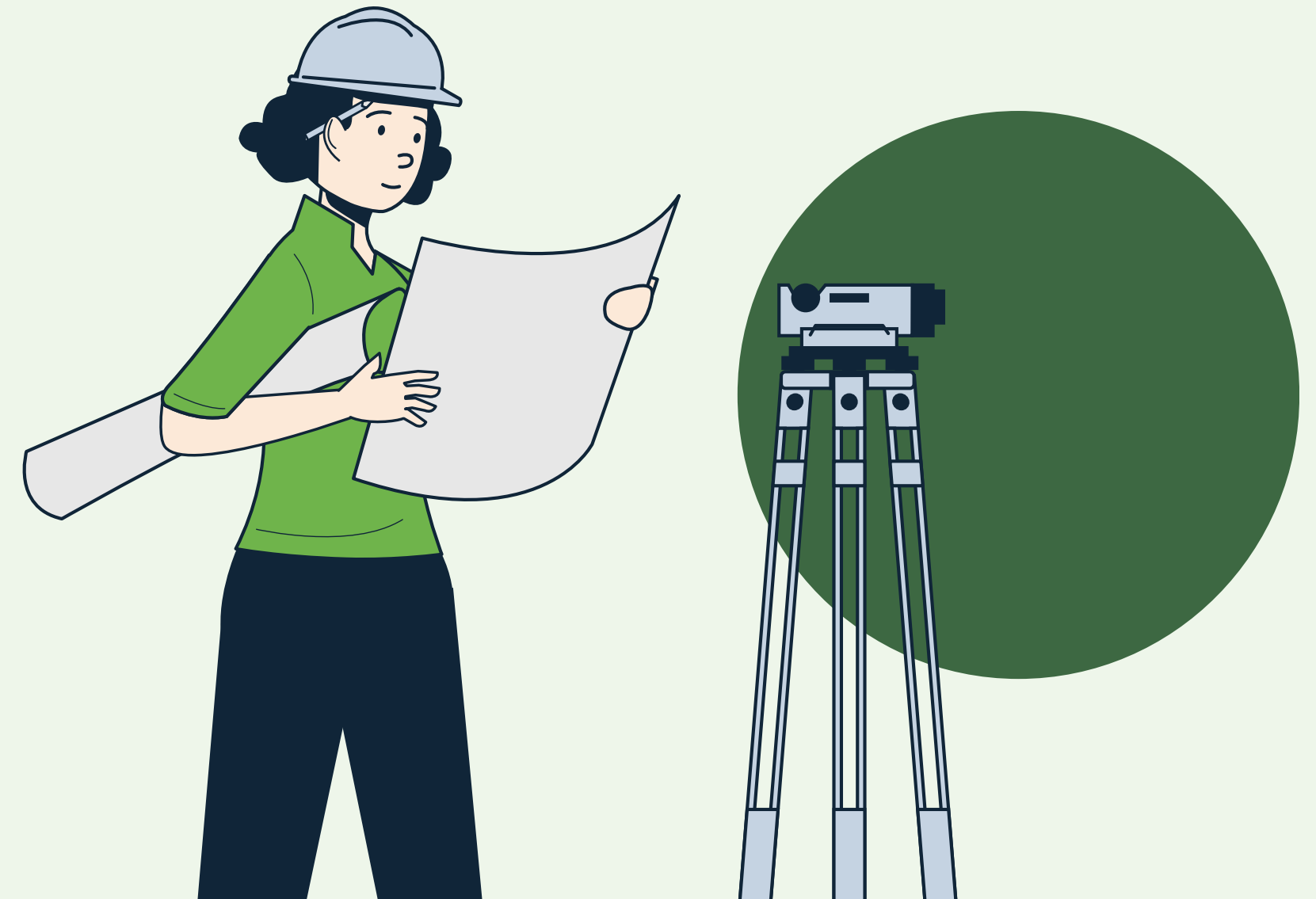
WEEK 1 (JAN 1 – JAN 7): PLANNING AND REQUIREMENTS GATHERING

We kicked off the project by clearly defining our scope, objectives, and goals. We conducted thorough research on internship portal requirements, gathering valuable user needs and feedback. This input directly shaped the features we prioritized. A key decision during this week was finalizing our tech stack: PHP, Bootstrap, and MySQL, providing a robust and flexible platform. Finally, we established a strong team structure by assigning clear roles and responsibilities.

WEEK 2 (JAN 8 – JAN 14): DESIGN PHASE

With a solid plan in place, we moved into the design phase. We created wireframes and UI mockups for each user role (students, employers, and admins), ensuring a user-centered design approach. We also meticulously designed the database schema, defining data relationships for optimal performance and scalability. A well-organized project structure was established, including clear folder organization for efficient collaboration. Before moving to development, we conducted design reviews and incorporated feedback, ensuring everyone was aligned on the user experience.

Project Timeline



WEEK 3 (JAN 15 – JAN 21): BACKEND AND FRONTEND DEVELOPMENT

This week was dedicated to building the core functionalities of the portal. On the backend, we set up the server environment, established the database connection, and implemented secure user authentication (login and registration). We developed the essential features for internship posting and applications. Simultaneously, our frontend team crafted the user interface using HTML, CSS, and Bootstrap, ensuring a responsive design across all devices. Critically, the frontend was integrated with the backend APIs, connecting the user interface to the underlying logic.

WEEK 4 (JAN 22 – JAN 25): ADVANCED SEARCH FEATURE IMPLEMENTATION

We focused on implementing the advanced search feature. Sophisticated search algorithms were developed with filters for location, industry, and duration, empowering users to find precisely the internships they seek. This search functionality was seamlessly integrated with the internship database. Initial testing was conducted to fine-tune search accuracy and ensure lightning-fast performance.

Project Timeline



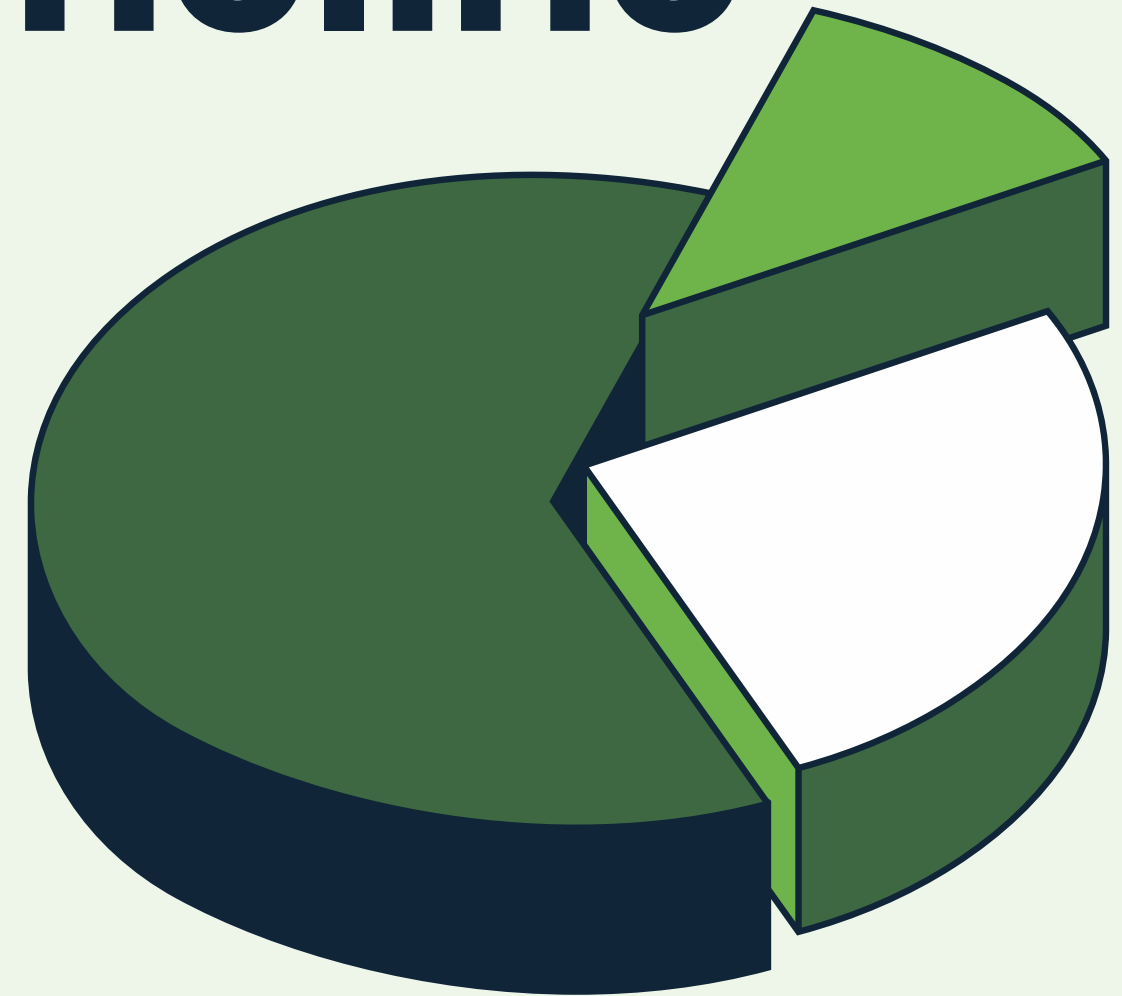
● **WEEK 5 (JAN 26 – JAN 28): TESTING AND QUALITY ASSURANCE**

Rigorous testing was paramount. We conducted unit, integration, and user acceptance testing to identify and fix any bugs or performance bottlenecks. The platform was optimized for speed and security, ensuring a stable and reliable experience for all users.

● **WEEK 6 (JAN 29): FINAL REVIEW AND DEPLOYMENT**

The final week culminated in a comprehensive team review of the entire project. With confidence in our product, we deployed the internship portal to the production environment, making it accessible to the world. Finally, we prepared all presentation materials and demonstration scripts, ensuring a smooth and informative presentation.

Project Timeline



We are incredibly proud of the Enhanced Internship Portal we've developed. It's a powerful tool that connects students with valuable internship experiences, empowering them to launch their careers. Looking ahead, we envision several exciting enhancements, including integration with external APIs for a wider range of internship listings, incorporating user feedback mechanisms to continuously improve the platform, and further strengthening security features to protect user data. We believe this portal has the potential to make a real difference in the lives of students and the success of businesses.

Conclusion and Future Enhancements



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Thank You!



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