

# WEEKLY PROGRESS REPORT

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# **WEEK 1:**

(03/06/2024 – 07/06/2024)

## **Activities:**

### **1. Training Kickoff and Orientation:**

- Participated in the training kickoff meeting to understand the training goals, scope, and outlooks.
- Received an overview of the training objectives, and timelines.
- Engaged in orientation sessions to become familiar with the company culture, team dynamics, and work methodologies.

### **2. Familiarization with QA Processes:**

- Reviewed existing documentation, test plans, and methodologies to understand the current QA workflow.
- Engaged in discussions with team members to gain insights into established testing practices and standards.

### **3. Learning Git and Git Commands:**

- Gained hands-on experience with Git and fundamental Git commands, enhancing version control skills essential for collaborative development.

## **Achievements:**

### **1. Established Communication Channels:**

- Initiated communication channels with team members, including introductions and icebreaker sessions.
- Joined relevant communication platforms (e.g., Slack or Microsoft Teams) to facilitate seamless collaboration.
- Fostered a positive, communicative environment within the team.

### **2. Completed Tasks given for Git:**

- Completed all tasks given ahead of schedule.
- Achieved a Git Badge from company.

**Reflection on Week 1:**

This week laid a solid foundation for my internship by equipping me with essential tools and practices. The initial orientation sessions provided clarity on training expectations and goals. My experience with Git deepened my understanding of version control, preparing me for seamless collaboration. Additionally, familiarizing myself with the QA processes has helped me align with the team's workflow. Overall, this week has set a positive tone for a productive internship, and I am eager to apply my new skills in the upcoming tasks.

## **WEEK 2:**

(10/06/2024 – 14/06/2024)

### **Activities:**

#### **1. Svelte Learning and Project Work:**

- Completed a Svelte course to understand core concepts and features of the framework.
- Developed a basic note-taking application, "sip24-svelte-quick-notes," as part of the week's tasks.
- Implemented features in the note-taking app, including adding new notes, editing, and deleting notes.
- Integrated IndexedDB for persistent data storage, utilizing the Dexie.js library for efficient interaction with IndexedDB.

### **Achievements:**

#### **1. Course Completion and Badge Earned:**

- Successfully completed all tasks for the Svelte course, earning a course completion badge.
- Demonstrated understanding of Svelte fundamentals through practical application in the note-taking project.

### **Reflection on Week 2:**

This week deepened my knowledge of Svelte and enhanced my skills in building reactive, interactive web applications. Working on the note-taking app allowed me to apply Svelte concepts in a real-world project and experiment with data storage using IndexedDB and Dexie.js. I'm pleased with my progress and look forward to expanding on these skills in the upcoming weeks.

## **WEEK 3:**

(17/06/2024 – 21/06/2024)

### **Activities:**

#### **1. Instagram Clone Project:**

- Developed the core functionality to allow users to upload images with descriptions.
- Integrated user authentication to ensure each upload is associated with a unique user.
- Ensured all uploaded images and descriptions are visible to other users in real-time.

#### **2. Image Viewer and Photo Filter Editor:**

- Used HTML5 canvas to create an image viewer that allows users to interactively preview uploaded images.
- Implemented basic image filters (grayscale and sepia) and ensured they can be applied in real-time.
- Tested the canvas-based editor to ensure smooth image processing and compatibility across browsers.

### **Achievements:**

#### **1. Successful Image Upload and Description Feature:**

- Enabled users to upload images seamlessly, providing a description input that is stored and displayed with each image.
- Ensured the app is user-friendly by providing a simple and responsive interface for uploading and viewing images.

#### **2. Implemented Functional Image Filter Editor:**

- Successfully built a tool that allows users to apply filters like grayscale and sepia on images in real-time.

### **Reflection on Week 3:**

This week was a valuable learning experience as I had the opportunity to work on a more feature-rich project. Developing the Instagram clone gave me hands-on experience with real-time data sharing, while building the image viewer and filter editor taught me more about manipulating images with HTML5 canvas. Overall, this week helped me improve my front-end development skills, particularly with SvelteKit and client-side image processing.

## **WEEK 4:**

(24/06/2024 – 28/06/2024)

### **Activities:**

#### **1. Project Initiation and Team Formation:**

- Participated in mentor meeting to review training completion and module selection.
- Engaged in team assignment and introduction process.
- Attended detailed project briefing with mentor to understand objectives and deliverables.

#### **2. Project Planning and Design:**

- Collaborated with team members on low-level design documentation.
- Participated in work distribution and role assignment discussions.
- Established initial project timelines and milestones.

### **Achievements:**

#### **1. Successful Project Kickoff:**

- Completed comprehensive project briefing and understanding of requirements.
- Established clear communication channels with mentor and team members.
- Identified key project objectives and success criteria.

#### **2. Team Integration and Planning:**

- Successfully integrated into the assigned team structure.
- Contributed to the development of low-level design documentation.
- Received clear work assignments aligned with project goals.

### **Reflection on Week 4:**

This week marked the transition from training to actual project work, with a focus on team formation and project planning. The mentor meetings provided valuable insights into project expectations and requirements. Through collaborative efforts in low-level design and work distribution, the team established a strong foundation for the project's execution phase. The clear definition of roles and responsibilities has set the stage for efficient project progression in the coming weeks.

# **WEEK 5:**

(01/07/2024 – 05/07/2024)

## **Activities:**

### **1. Feature Development and Testing:**

- Implemented crop functionality with interactive user controls and developed rotation feature with precise angle manipulation.
- Conducted comprehensive unit testing of newly developed components.

### **2. Project Management Activities:**

- Participated in progress update meeting with mentor.
- Received and analyzed new task assignments.
- Created detailed implementation plans for upcoming features.

## **Achievements:**

### **1. Technical Implementation Milestones:**

- Successfully completed the development of crop and rotation features with user-friendly interface.
- Identified and resolved potential edge cases during testing.

### **2. Project Progress and Communication:**

- Effectively communicated development progress to mentor.
- Successfully demonstrated working features during review.
- Obtained clear direction on new task requirements.
- Maintained detailed documentation of implemented features.

## **Reflection on Week 5:**

This Week demonstrated significant progress in feature implementation, particularly in the development of core image manipulation functionalities. The successful completion of crop and rotate features, coupled with thorough unit testing, established a robust foundation for the application. The mentor meeting provided valuable feedback and guidance for future development. The assignment of new tasks has set clear objectives for the upcoming sprint, maintaining project momentum while ensuring quality deliverables.



## **WEEK 6:**

(08/07/2024 – 12/07/2024)

### **Activities:**

#### **1. Component Development and Testing:**

- Implemented resize and scale functionalities with dynamic dimension controls and aspect ratio preservation.
- Executed comprehensive unit testing and integration testing across all components.

#### **2. Quality Assurance and Project Finalization:**

- Conducted User Acceptance Testing (UAT) and documented results.
- Coordinated with team members for feature integration and final outcome validation.

### **Achievements:**

#### **1. Technical Development Completion:**

- Successfully delivered functional resize and scale components with comprehensive test coverage.
- Ensured cross-component compatibility and resolved integration challenges.

#### **2. Project Deliverable Finalization:**

- Completed all planned feature implementations and passed UAT criteria.
- Consolidated project documentation and achieved team consensus on functionality standards.

### **Reflection on Week 6:**

This week marked the culmination of the development phase with the successful implementation of resize and scale components. The comprehensive testing approach, including both unit and integration testing, ensured robust functionality across all features, resulting in a cohesive and well-functioning system that met project requirements.

## **WEEK 7:**

(15/07/2024 – 17/07/2024)

### **Activities:**

#### **1. Project Presentation and Review:**

- Prepared and delivered comprehensive project demonstration to mentor.
- Documented feedback and recommendations from the showcase session.

#### **2. Project Closure Activities:**

- Participated in final review discussion about project achievements.
- Collected and organized mentor insights for future improvements.

### **Achievements:**

#### **1. Successful Project Showcase:**

- Effectively demonstrated all implemented features and their integration.
- Received positive acknowledgment for the completed project deliverables.

#### **2. Professional Development:**

- Gained valuable insights and recommendations for future project approaches.
- Documented key learnings and best practices from the project experience.

### **Reflection on Week 7:**

This week represented a significant milestone in the internship journey, focusing on presenting the completed project to key stakeholders through mentor reviews. The meticulous presentation preparation allowed for an effective showcase of the implemented features and technical achievements. The mentor feedback sessions provided invaluable insights into both the technical aspects and professional development opportunities. This week served as a pivotal learning experience, combining the practical application of acquired knowledge with constructive feedback that will guide future professional endeavors. The comprehensive review process not only validated the project's success but also contributed to personal growth and enhanced understanding of professional software development practices.