

# Sprint 2 Retro

Team Squirtle

**Project:** Voucher Vault: Blockchain Voucher Platform

**Date:** 2024/08/31

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## 1. What Went Well?

- **Streamlined Task Organization**

We continued to use our Notion board to track our sprint backlog items. We emphasised group participation through allowing anyone to add items to the sprint backlog and anyone to assign themselves tasks on the sprint backlog.

- **In Person Collaboration:**

Meeting in person was invaluable to understanding exactly what the customer wants and needs from the system. We hashed out user stories and functional requirements through a healthy dialogue and whiteboard diagrams.

- **Focused on What Matters:**

For this sprint we improved the core functionalities resulting in a proper minimal viable product. Functionality was prioritized over pretty UI therefore we were able to achieve more.

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## 2. What went wrong?

- **Front End Bug :**

A bug causing transferred vouchers to still appear in the list due to how the Solana blockchain handles items with zero quantity. We resolved it by implementing a filter to exclude items with zero quantity, addressing the bug.

- **Integration Hurdles:**

The integration of Solana and wallet authentication might have caused some delays or required more troubleshooting than anticipated. Specifically with the Voucher transfer logic.

- **Limited Scope of Platform:**

While focusing on the web version, the lack of cross-platform compatibility (e.g., mobile responsiveness) might have limited the overall reach and user base.

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## 3. What did we learn?

- **Improved Testing and CI/CD Setup**

We learned the importance of properly setting up our testing environment and CI/CD pipeline. By focusing on getting the foundational components in place, we created a strong base for future automation.

- **Optimized Communication and Workflow Organization**

Building on last sprint's lessons, we improved communication by defining clear roles, streamlining meeting agendas, and introducing shared documentation. This kept us aligned, reduced misunderstandings, and sped up decision-making, leading to smoother workflows and stronger team collaboration.

- **Effective Time Management and Prioritization**

We learned how crucial it is to prioritize tasks effectively. By identifying the most critical features and focusing our efforts there, we avoided distractions and made significant progress. This sprint showed us that proper time allocation leads to more meaningful results.

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#### 4. What changes can we make?

- **UI/UX improvement**

We would like to refine the design based on user feedback to enhance usability. This may include simplifying the user journey, improving the visual design. Adding preloaders and many more features, with a satisfying voucher burning/minting visual which will captivate the user through the process.

- **Expand to Mobile Platforms:**

Consider making Voucher Vault compatible on mobile devices as well by developing a responsive design or creating a mobile app using a framework like React Native.

- **Add Real-Time Notifications:**

Implement real-time notifications to update users about new vouchers, tasks, or activities on their accounts to enhance the user experience, something in the domain of emails, SMSs etc.

- **Test for Scalability & Performance:**

Testing on multiple devices to ensure it can handle scalability as well as observe its performance during the process.

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#### 5. Action Items:

- **Documentation & Guides:**

Improve documentation for both the development team (internal codebase and workflow) and users (explaining how to use the app, troubleshooting).

- **Gather User Feedback:**

We should conduct user testing sessions or surveys to understand how users are interacting with the platform and identify pain points or desired features.

- **UX Flow:**

Through identifying user stories we need to ensure our application properly fulfills the non-functional requirements. Specifically with regards to the onboarding process and ensuring the UI is accessible and intuitive.