**Project Sprint Retrospective**

**Team:** P08-03

**Sprint:** 2

**Date:** 13 October 2024

**Attended:** Yoan-Mario Hristov, Edward Lim Padmajaya, Evelyn Lie, Chee Kin Go

**Scrum Master:** Yoan-Mario Hristov

**Product Owner:** Jyoti Kundu

**Development Team:** Frandom Leo Inovejas, Edward Lim Padmajaya, Evelyn Lie, Chee Kin Go

### **1. Things That Went Well**

* Despite the challenges, our team quickly adapted to the problems we faced during the transition from MySQL to H2, and the implementation of clinic data. The team showed resilience and managed to stay on course.
* We successfully located and fixed numerous bugs, which improved the overall stability of the system.
* Enhancements were made to existing features, refining functionality and optimizing user experience.
* Strong collaboration and communication among team members helped us tackle obstacles efficiently.

### **2. Things That Could Have Gone Better**

* The transition to H2 was far from smooth. It required significant bug fixing and reworking the database structure, which took more time and effort than anticipated.
* The impact of these changes delayed some of the new feature implementations, and we had to refactor much of the existing code to accommodate the new database system.

### **3. Things That Surprised Us**

* The complexity of the H2 transition was greater than we initially estimated, revealing unforeseen challenges in how the database was structured.
* This shift uncovered dependencies in the system, particularly in how data was managed between the backend and the database.

### **4. Lessons Learned**

* Flexibility and adaptability are key when facing unexpected challenges like a major database change.
* In the future, more thorough research and testing should be done when planning such a significant shift, to minimize the impact on the project timeline.
* We need to allocate more time for bug fixing and structural changes when making fundamental shifts in our technology stack.

### **5. Final Thoughts**

**Things to Keep:**

* Continued adaptability and effective collaboration in addressing challenges.
* Consistent stand-ups, communication through Microsoft Teams, and project tracking on GitHub.

**Things to Change:**

* Plan and allocate more time for major changes, like database migrations, and ensure proper testing is done before the transition.
* Refine our approach to bug fixing during major shifts, making it more proactive rather than reactive.