Sprint 2 Release Plan + Deployment Plan on The Cloud

In Sprint 2 of the condo management system, we are set to significantly enhance the platform's capabilities across several key areas. There are a total of 15 user stories to be implemented in Sprint 2 of our project.

The sprint's primary objectives include the implementation of secure registration processes for condo owners and rental users, enabling them to join the system using a unique registration key with robust validation and secure authentication mechanisms. A comprehensive dashboard will be developed for condo owners, providing them with detailed insights into property and financial information to facilitate efficient property management. Additionally, the property management functionality will be expanded to allow for the creation of detailed property profiles, uploading essential documents, and managing specific details for units, parking spots, and lockers. A financial management system will also be established, incorporating features for entering condo fees, recording budgets and costs, and generating annual reports to ensure transparent financial operations.

Furthermore, a reservation system for common facilities will be introduced, offering residents a user-friendly interface for booking amenities, thereby ensuring equitable access based on a first-come-first-serve principle. These enhancements aim to improve user experience significantly, streamline property management tasks, and lay a solid foundation for the system's ongoing development and scalability.

Release Plan Legend (on the Excel sheet):

User Story ID	User Story Points (USP)	Priority	Status
User Stories are from # 2 to #16. The sub-user stories are in the format 2.1, 2.2, 3.1, etc.	The user story points are done based on the Fibonacci sequence.	● High ● Medium ● Low	● TODO ● DONE ● PUSHED TO SPRINT 2 ● REMOVED

There is a total of 178 story points.

Planning for future deployment in the Cloud/on devices:

For the future deployment of the condo management system, both in the cloud, we would adopt a comprehensive, phased approach that ensures scalability, security, and seamless user experience across platforms. Initially, we'll select a cloud provider that offers robust services aligned with our needs, such as AWS, Google Cloud, or Azure, taking advantage of their scalability, managed services, and global infrastructure. The deployment process would be automated using CI/CD pipelines, facilitating continuous integration and deployment through a tool like Jenkins, Travis CI, or GitHub Actions. This automation will include stages for code compilation, testing, and deployment to staging environments, followed by production deployment after approval, ensuring that every update is thoroughly tested and vetted.

Additionally, we'll implement monitoring and logging solutions to track the system's performance and user interactions in real time, enabling us to quickly identify and resolve any issues post-deployment. The deployment strategy will also incorporate feedback mechanisms to gather user insights, further refining and optimizing the application to meet the evolving needs of our users.