

Varying in purpose and targeted segments, management systems have become increasingly popular in recent years. In streamlined companies that require a Human Resources (HR) department to manage employees and their affairs, specialized management systems specifically designed for HR departments have been developed to meet their needs. The proposed project focuses on creating a system that splits the needs of an HR department into two types:

- ❖ Core needs: This represents what every HR department requires, such as attendance and leave recording to manage employees' working hours, role-based access to accommodate the needs of employees associated with the HR department, and payroll management, which takes into account taxes, working hours, and leaves. Many additional necessary tools are also provided.

- ❖ Add-on needs: These features focus on customization, packaging tools and features into modules that can be added when needed and customized accordingly. For example, hiring and recruitment tracking can be implemented to manage job openings and the hiring process, or a document management service to handle employee contracts. Many other possibilities can be explored depending on specific needs.

To elaborate, the system will be a desktop application with a toned-down mobile version, the desktop version will support all the features including modules management and customization, whereas the mobile version will be more straightforward to view new changes and notifications on the go, due to this versatility, the system will be built using Flutter as the Frontend technology and Springboot as the backend one, with utilizing tools such as google cloud for the many services it offers. In the end, recognizing the need for open sourcing and the need for specific and niche modules.