

Non-Functional Requirements

1 Performance

The time it takes to sign-in and access the account shouldn't take more than Ten seconds. When it comes to other actions like check-in, request a leave and other functions, it should not take more than a minute.

2 Reliability

The Attendance Management System should be reliable in providing the correct action that the user commanded on available days. It also should save all the action that the user performed so that the system can use the data for next time.

3 Availability

The system shall be available on work days of the company that uses the system. When it comes to the number of hours, the system is only available on working time. These hours can be 24 hours a day, 8 hours or any number of hours based on the company's work rules.

4 Security

The system can only be accessed by the administrator and the employees and no one else can access the system. To access the system, the user should be inside the company as it uses the company's local area network to perform the actions commanded by the user. It also takes photo every time the user logs in order to identify if the right person has logged on to their accounts.

5 Maintainability

The system is easy to access and can be upgraded without any difficulty.

6 Portability

The system is designed for computer use only and it is built in goLang and web programming languages so the system is not portable. It is also used on the company's network so we can't access it outside the company.

Inverse Requirements

The system has an administrator and an employee section. The only one who can use the systems are the company's manager and the employees that work for that company. In order to use the system, first there should be a company that have the necessary requirements for the system. Then they have to create an account for every employee.

Design Constraints

The system is developed for companies to control the attendance of their employees without difficulty. It also provides security. The login form prevents the system from being misused by unauthorized users. It has the same login form for both administrator and employee. It can identify who is the administrator and who are the employee by the given usernames. The system is also reliable and fault tolerant. The system developed is designed to handle invalid inputs.

The system is design for all companies to record their employees, therefore the obvious language choice to use is English.

Other Requirements

Training-related Requirements

In case the special privileged users won't be sufficiently interactive with the product, we will arrange an apprenticeship program to demonstrate the functions of the product and its benefits. The apprenticeship will last for three depending how the apprentices respond to the demonstration.

Packaging Requirements

The system is going to be delivered as a Folder file format. The Folder will be organized in such a way that the contents, images and also databases are separated in their own sub folders. The Folder may also contain a README file for users to fully understand how the system operates.

Legal Requirements

The owner of the system will acquire legal documents regarding when and how the system was developed.