



QR CODE ATTENDANCE

Staff

QR Attendance (Cont.) for Web Base + Mobile

- 1. Introduction
- 2. Scope (add more detail on web development)
- 3. Team member and responsibility
- 4. Structure Project



1- Introduction

Staff attendance system using QR code

Most of all company are temporarily banning the use of biometrics in checking the staff' daily time records because of Covid-19 problem, the use of QR codes is a great technological substitute for checking their daily time records.

Since the staff only need to scan their corresponding QR code attendance, the chance of infecting each other with a communicable disease lessens.

Because of that, offices can use a QR code attendance into their attendance checking routines for a smooth and safe daily time recording.

Benefits of using a QR code attendance

QR codes are known to be the cost-efficient technological tool that many businesses use in keeping a contactless operation.

With the use of a QR code attendance system, institutions can implement a secure and safe attendance checking system without the need of spending more in maintaining them.

2 - Scope

There are a various functionalities of staff and attendance are useful to be added in QR attendance app. By concerning of the time, the limitation of functionalities is set to the following:

- Manage staff, assign staff to session schedule
- Manage attendance policy
- Consolidate attendance by schedule/session via mobile
- Be able to create temp link of session attendance
- Produce reports



3- Team member and responsibility

1. Tek Thida

Role: Project manager

Tasks: Responsible for Initiating, planning, organizing, and directing the completion project within scope

2. Man Keomorakort

Role: Web developer

Tasks: Develop web application

3. Huort Pengleng

Role: Mobile developer

Tasks: Develop mobile application

4. Sun Malen

Role: UX/UI prototype (web)

5. Sok Rathana

Role: Tester, test attendance mobile application

6. Vong Sovannndara

Role: Tester, test web application



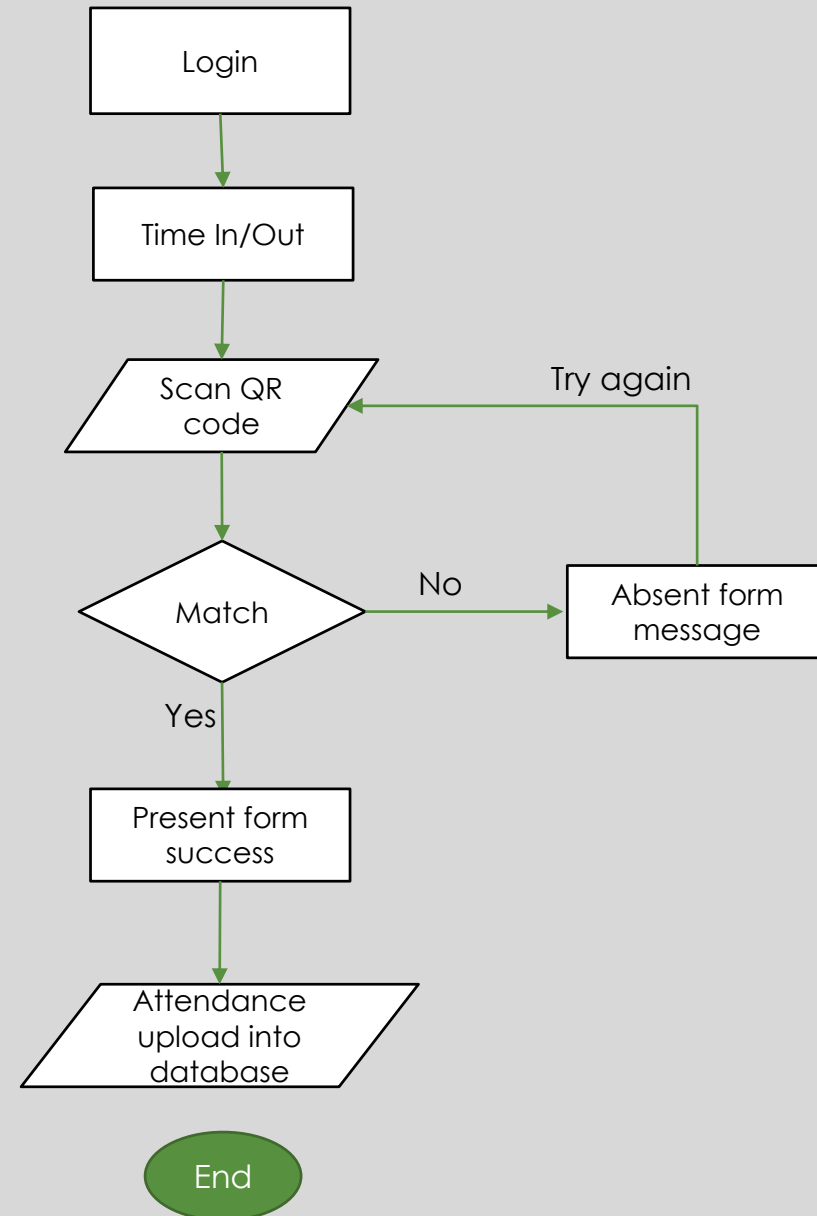
Structure Project

Home page with 2 menu:

- Time In/Out
- Attendance list


Left menu:

- Staff info
- Time In/Out
- Attendance list
- Logout





gitHub project


<https://github.com/thidatek/attendant-log-mobile.git>

 [thidatek](#) / [attendant-log-mobile](#) Private

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Security](#) [Insights](#) [Settings](#)

 main ▾



 1 branch












 0 tags

[Go to file](#)

[Add file ▾](#)

[Code ▾](#)

 **thidatek** Add files via upload 6de2d2f 1 hour ago  3 commits

 Screenshots	init	1 hour ago
 app	init	1 hour ago
 gradle/wrapper	init	1 hour ago
 .gitignore	Add files via upload	1 hour ago
 README.md	Add files via upload	1 hour ago
 build.gradle	Add files via upload	1 hour ago
 gradle.properties	Add files via upload	1 hour ago
 gradlew	Add files via upload	1 hour ago
 gradlew.bat	Add files via upload	1 hour ago
 qr-attendance.apk	Add files via upload	1 hour ago
 settings.gradle	Add files via upload	1 hour ago

gitHub project

https://github.com/thidatek/qr_attendance.git

The screenshot shows the GitHub interface for the repository `thidatek/qr_attendance`. The repository is marked as `Private`. The top navigation bar includes links for `Pull requests`, `Issues`, `Codespaces`, `Marketplace`, and `Explore`. The repository's main navigation bar shows `Code` (selected), `Issues`, `Pull requests`, `Actions`, `Projects`, `Security`, `Insights`, and `Settings`. The repository's main content area displays the `main` branch with 1 branch and 0 tags. It shows a commit history for `thidatek` with a commit of 3280335 from last week, and a file `README.md` created last week. The `README.md` content shows the repository name `qr_attendance`. The right sidebar contains the `About` section, which states "No description, website, or topics provided." and lists 0 stars, 4 watching, and 0 forks. The `Releases` section shows "No releases published" with a link to `Create a new release`. The `Packages` section shows "No packages published" with a link to `Publish your first package`. The bottom of the page shows a download button for `Assignment Java St....zip` and a `Show all` button.

Search or jump to... / Pull requests Issues Codespaces Marketplace Explore

thidatek / qr_attendance Private Unwatch 4 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Security Insights Settings

main 1 branch 0 tags Go to file Add file <> Code

thidatek Create README.md 3280335 last week 1 commit

README.md Create README.md last week

README.md

qr_attendance

About

No description, website, or topics provided.

Readme

0 stars

4 watching

0 forks

Releases


No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Assignment Java St....zip Show all

Prototype Web application



Company Name

QR Attendance System

Wellcome

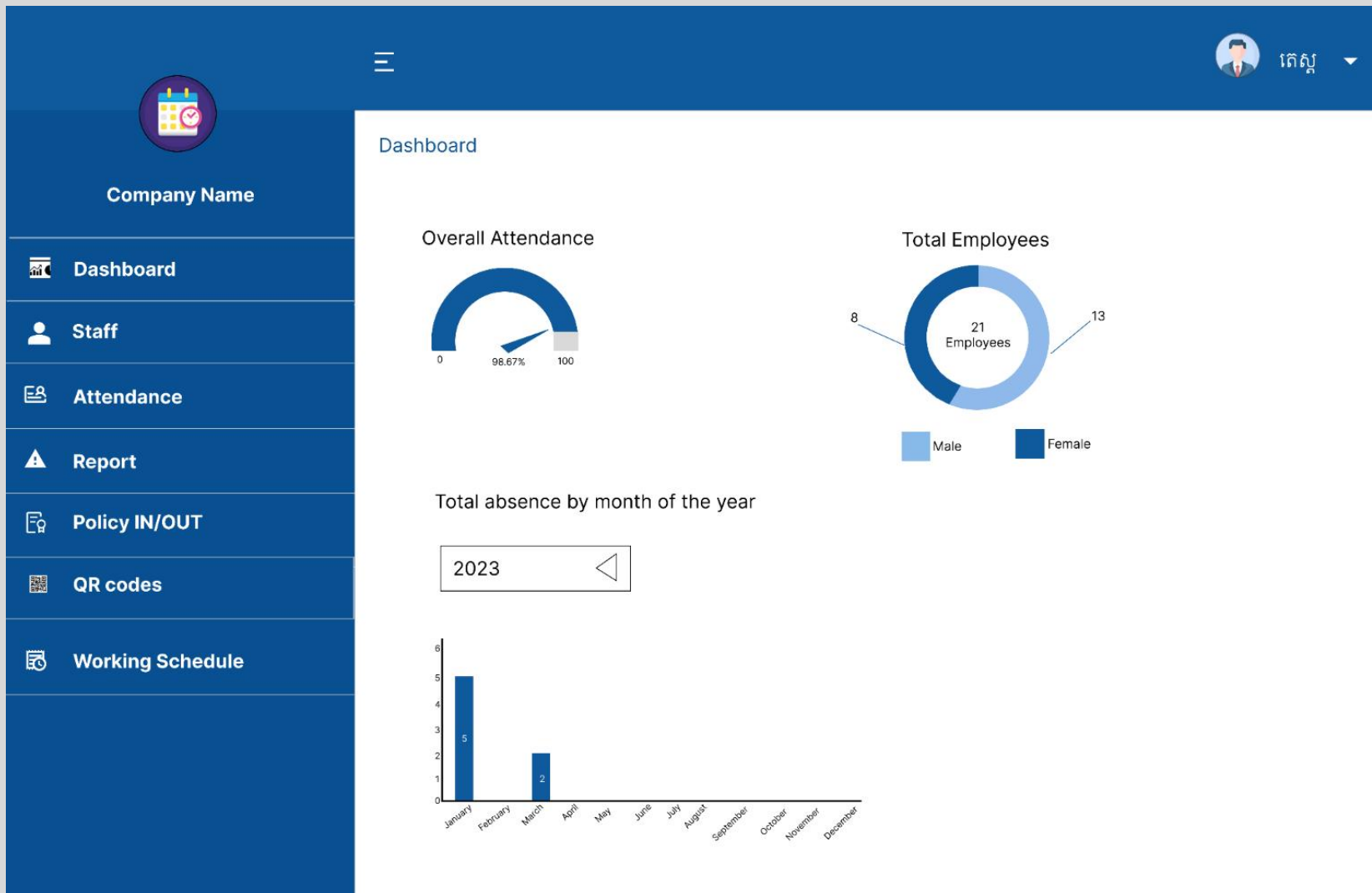
User Name

Password


Login →

Show QR Code


Admin Dashboard





Staff List





Company Name


 Dashboard


 Staff

 Attendance

 Report

 Policy IN/OUT

 QR codes

 Working Schedule

Staff List

Add


Input Search criteria

Reset


Search

No.	Staff code	Name(KH)	Name(EN)	Date of Birth	Gender	Phone Number	Activities
1	0000001	កា ជា	Ka Da	02/09/2000	Male	012848482	<div></div> <div></div>
2	0000002	សំ អឺ	Som Ey	03/04/1998	FeMale	097848417	<div></div> <div></div>
3	0000003	តាត លឹម	Tat Lim	04/03/2009	Male	012848454	<div></div> <div></div>
4	0000004	សាន សុខ	San Sok	06/03/2001	Male	011848479	<div></div> <div></div>
5	0000005	សប្បាយ រីក	Sabay Rik	06/19/1992	FeMale	016848463	<div></div> <div></div>
6	0000006	យ៉ិន ជា	Yin Da	04/09/1998	Male	012848476	<div></div> <div></div>
7	0000007	ឌី ជា	Gi Chea	02/29/1990	Male	012848433	<div></div> <div></div>
8	0000008	ដុង ជាវ	Dug Dav	09/02/2020	FeMale	078848493	<div></div> <div></div>
9	0000009	ហា ជា	Ha Chea	04/09/1980	Male	012848403	<div></div> <div></div>


Attendance




Company Name




Dashboard




Staff




Attendance




Report



Policy IN/OUT




QR codes



Working Schedule

☰

 គេង


Check In-Out

Reset

Search

No.	Staff Code	Staff Name	Check-In Date	Check-Out Date	Status	Action
1	0000001	So Mana	2023-11-30 11:36	2023-02-30 05:00	36min	Edit delete
2	0000002	Zo na	2023-10-30 11:30	2023-02-30 05:00	30min	Edit delete
3	0000003	An Mana	2023-09-30 11:46	2023-02-30 05:00	46min	Edit delete
4	0000004	Xo Me	2023-08-30 11:36	2023-02-30 05:36	30min	Edit delete
5	0000005	Ku Ja	2023-07-30 11:00	2023-02-30T05:00	00min	Edit delete
6	0000006	San Dana	2023-06-30 11:36	2023-02-30 05:36	30min	Edit delete
7	0000007	Sam Tina	2023-05-30 11:36	2023-02-30 05:36	30min	Edit delete
8	0000008	Sok Many	2023-04-30 11:36	2023-02-30 05:36	30min	Edit delete
9	0000009	Chu Mi	2023-03-30 11:36	2023-02-30 05:36	30min	Edit delete
10	0000010	Sul Mea	2023-02-30 11:36	2023-02-30 05:36	30min	Edit delete

☰ Add New Attendance Record

 គេង

Add Check In-Out

Staff Code

Staff Name

San Mana

Check-In Date

Check-Out Date


Status

▼


Note: Status can be: Present, Late, Absent, Leave Request


Submit


Reports





Company Name


 Dashboard


 Staff

 Attendance


 Report

 Policy IN/OUT

 QR codes

 Working Schedule

☰ Staff Report

 តេស្ត

Export

Search

quick search


Gender

Reset


Search

No.	Staff code	Name(KH)	Name(EN)	Date of Birth	Gender	Phone Number
1	0000001	សុខ ចាន់	Sok Chan	11/12/2005	Female	012333333
2	0000002	សុ ចន់	Su Chun	09/30/1997	Male	012339939
3	0000003	ខា នាង	Kha Neang	03/22/1996	Female	012337382
4	0000004	ធាន តេ	Bean Te	04/19/1995	Male	011343353
5	0000005	សុក សាន	Sok San	03/10/2010	Male	012353335
6	0000006	សខ ចាំ	Sk Cham	08/09/2012	Female	016333355
7	0000007	ខេង អន	Keng On	06/08/2002	Male	016333370
8	0000008	លាង ចាន់	Leang Chan	04/07/1992	Female	012333399
9	0000009	ថា នី	Ta Ni	03/05/1993	Male	016333888


Reports




Company Name




Dashboard




Staff




Attendance




Report



Policy IN/OUT




QR codes



Working Schedule

All staff Attendance

 Export

Search

Start date

Start date


quick search

Reset


Search

ID	Staff Code	Name(KH)	Name(EN)	For Date	To Date	From Time	To time	Status
1	0000001	សំ ដារា	Sam Dara	20/02/2023	20/02/2023	8:00 am	5:00 pm	Present
2	0000002	ចាំ យ៉ា	Cam Ya	20/02/2023	20/02/2023	8:00 am	5:00 pm	Present
3	0000003	សុខ ជិន	Sok Chun	20/02/2023	20/02/2023	8:35 am	5:00 pm	Late: 35min
4	0000004	ដា ដា	Chea Da	20/02/2023	20/02/2023	8:50 am	5:00 pm	Late: 50min
5	0000005	ឌុច តោ	Doch Tao	20/02/2023	20/02/2023	8:40 am	5:00 pm	Late: 40min
6	0000006	កា តាម	Ka Tam	N/A	N/A	N/A	N/A	Leave Request
7	0000007	វី សា	Vy Sa	N/A	N/A	N/A	N/A	Absent
8	0000008	សំ យុក	Sam Yuk	20/02/2023	20/02/2023	8:00 am	5:00 pm	Present


Reports




Company Name




Dashboard




Staff




Attendance




Report



Policy IN/OUT




QR codes



Working Schedule


Staff Attendance Detail


 Export

Staff code

Start date

End date

 Reset

 Search

Staff code :

Staff name Kh :

Staff name En :

Gender :

Date of Birth :

ID	For Date	To Date	From Time	To time	Status
01	20/02/2023	20/02/2023	8.00 am	5pm	Present
02	30/03/2023	30/03/2023	8.00 am	5pm	Present
03	03/04/2022	03/04/2022	8.00 am	5pm	Present
04	10/03/2022	10/03/2022	8.00 am	5pm	Present

Policy IN/OUT



Company Name



Dashboard



Staff



Attendance



Report



Policy IN/OUT



QR codes



Working Schedule

Policy In/Out

Morning

Start date

8:00 AM

Early check in

7:00 AM

Early check out

12:00 PM

Start date

12:00 AM

Late check in maximum

8.15 AM

Late check out maximum

12.30 PM

Afternoon

Start date

13:00 PM

Early check in

12:31 PM

Early check out

17:00 PM

End date

17:00 PM


Late check in maximum

13:15 PM


Late check out maximum


19:00 PM


Policy IN/OUT Detail





Company Name


 Dashboard


 Staff



 Attendance

 Report

 Policy IN/OUT

 QR codes


 Working Schedule



QR Codes

Monday , 20/03/2023

Morning



Check In: Morning 8:00 AM
Check out : Morning 12:00 AM

Check in morning notice:


- Check in can be from : 7:00 AM
- Late check in maximum : 8:15 AM
- Absence haft day from: 8:16 Am

Check out morning notice:

- Check out can be from: 12:00 PM
- Late check out maximum : 12:30 PM
- Absence haft day from: 12:31 PM

Note:
if check in and no checkout or no check in and check out, it is considered as haft day absence in the morning.

Afternoon



Check in: Afternoon 13:00 PM
Check out : Evening 17:00 PM

Check in Afternoon notice:

- Check in can be from : 12:31 PM
- Late check in maximum : 13:15 PM
- Absence haft day from: 13:16 PM

Check out Evening notice:

- Check out can be from: 17:00 PM
- Late check out maximum : 19:00 PM
- Absence haft day from: 19:01 PM

Note:
if check in and no checkout or no check in and check out, it is considered as haft day absence in the afternoon.

QR Code Scan



Company Name

Today : Monday, 20/03/2023

MORNING

Check In: Morning 8:00 AM
Check out : Morning 12:00 AM

Check in morning notice:

- Check in can be from : 7:00 AM
- Late check in maximum : 8:15 AM
- Absence haft day from: 8:16 Am

Check out morning notice:

- Check out can be from: 12:00 PM
- Late check out maximum : 12:30 PM
- Absence haft day from: 12:31 PM

Note:

if check in and no checkout or no check in and check out, it is considered as haft day absence in the morning.



QR Code Scan



Company Name

Today : Monday, 20/03/2023

AFTERNOON

Check in: Afternoon 13:00 PM
Check out : Evening 17:00 PM

Check in Afternoon notice:

- Check in can be from : 12:31 PM
- Late check in maximum : 13:15 PM
- Absence haft day from: 13:16 PM

Check out Evening notice:

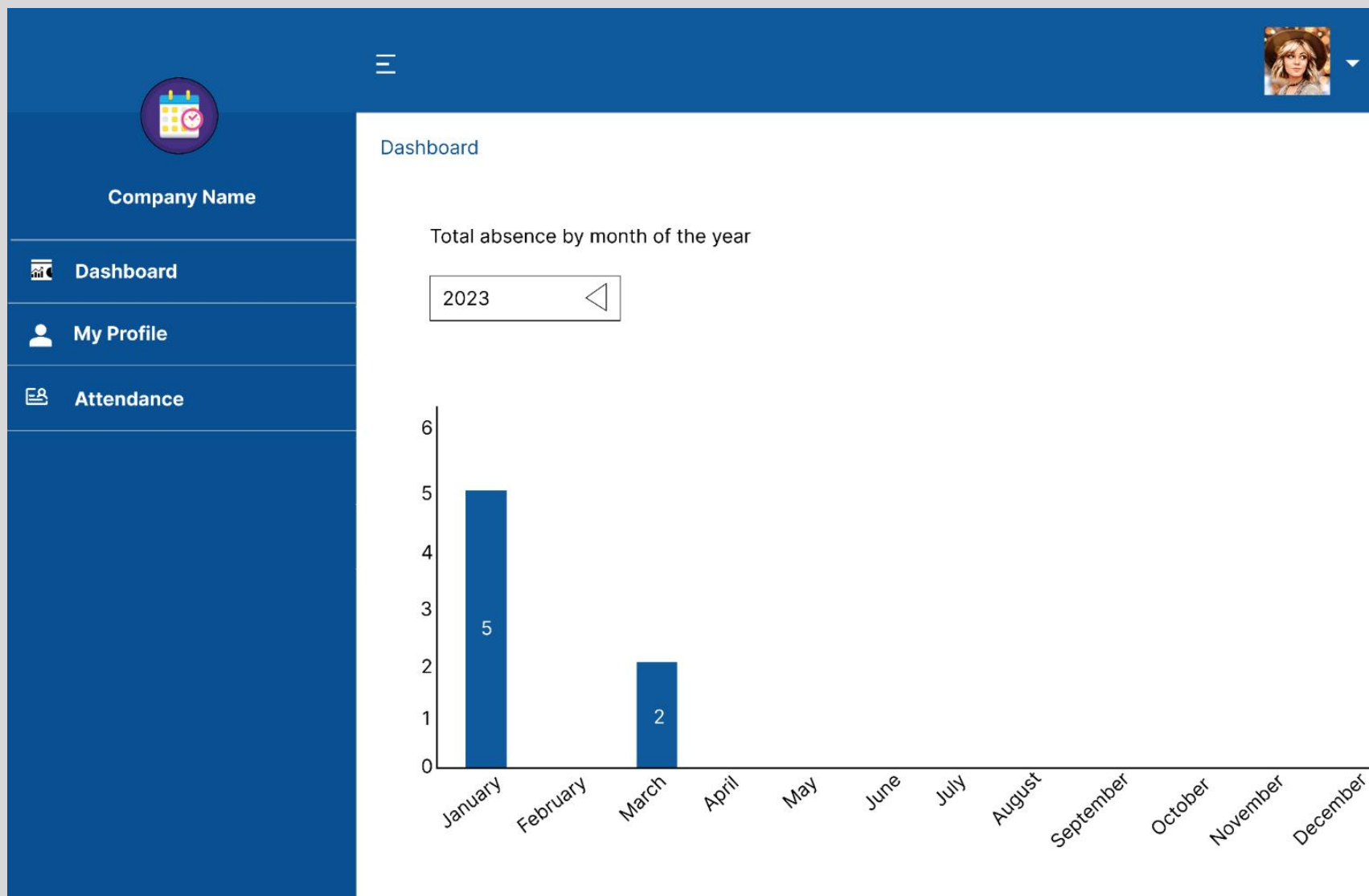
- Check out can be from: 17:00 PM
- Late check out maximum : 19:00 PM
- Absence haft day from: 19:01 PM

Note:




if check in and no checkout or no check in and check out, it is considered as haft day absence in the afternoon.




Employee Dashboard




Employee Profile







Company Name



Dashboard




My Profile



Attendance

My Profile



Staff code : 100001

Employment title: HR Manager

Work schedule : Full time Monday -Friday

Name (KH) : Keo Mony

Name (EN) : Keo Mony


Gender: Female

Date of birth: 01/01/1993


Nationality:.....

Phone number : 012 11 11 11


Employee Attendance




Company Name



Dashboard



My Profile



Attendance

Attendance

Start date

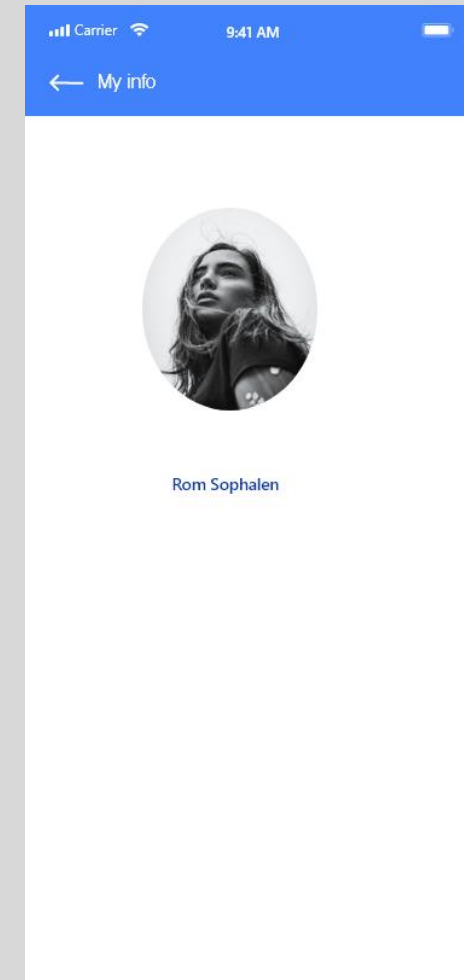
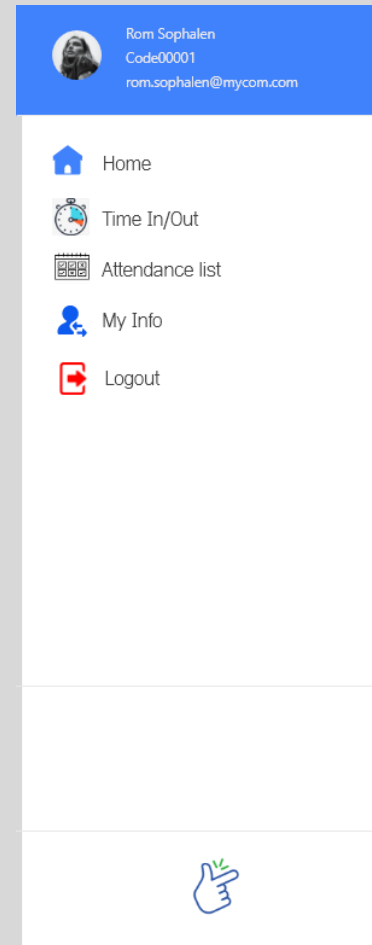
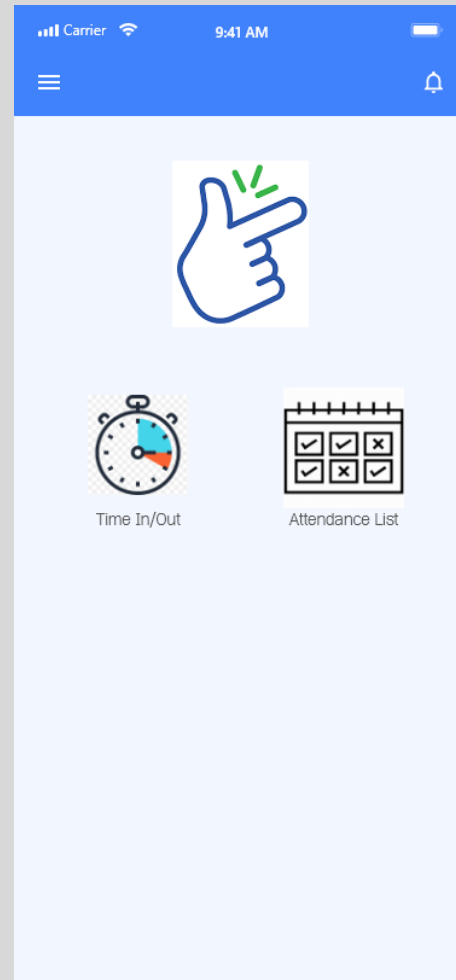
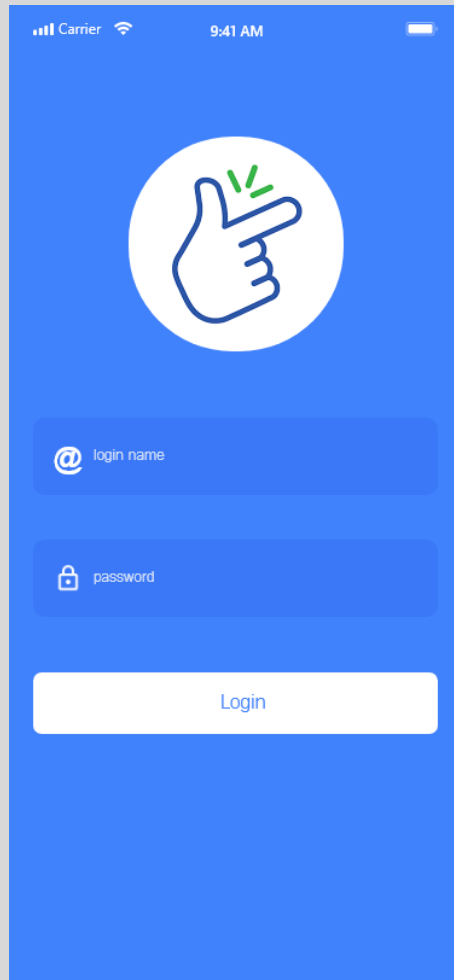
Start date

Search

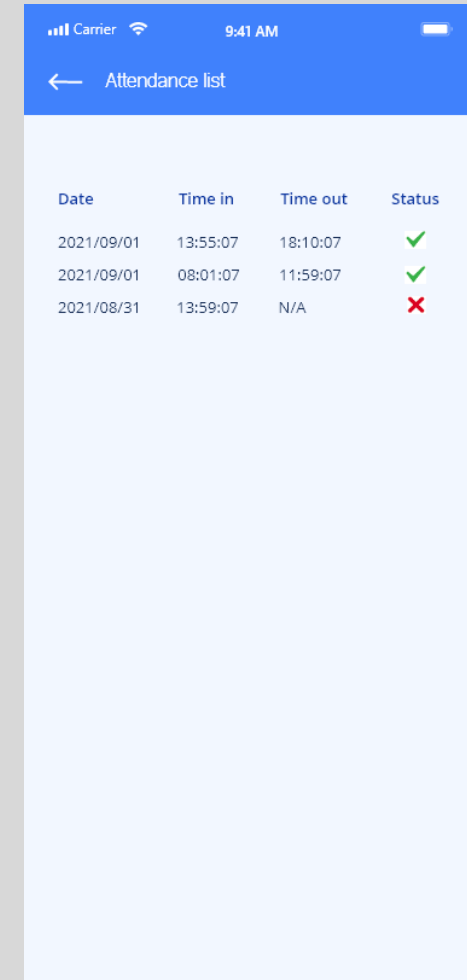
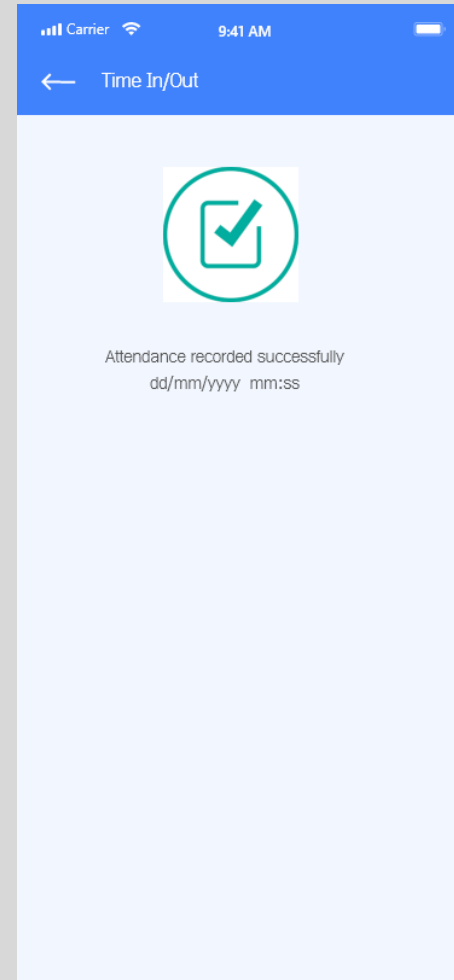
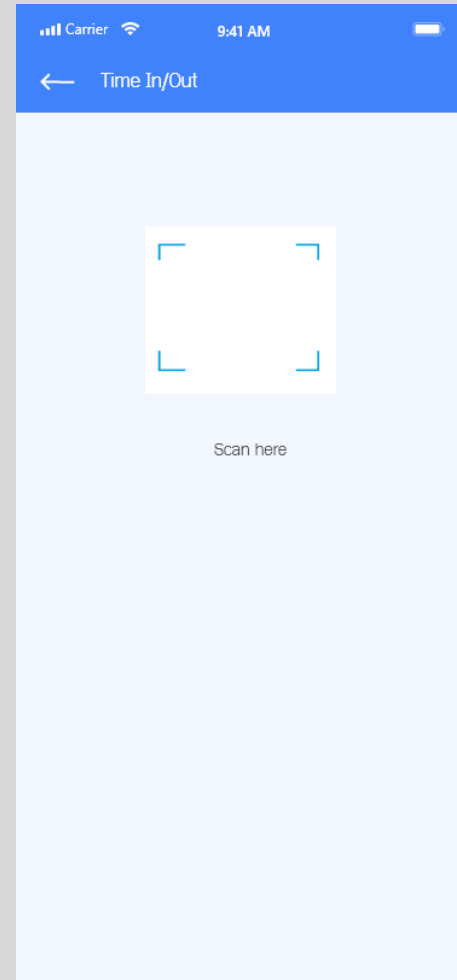
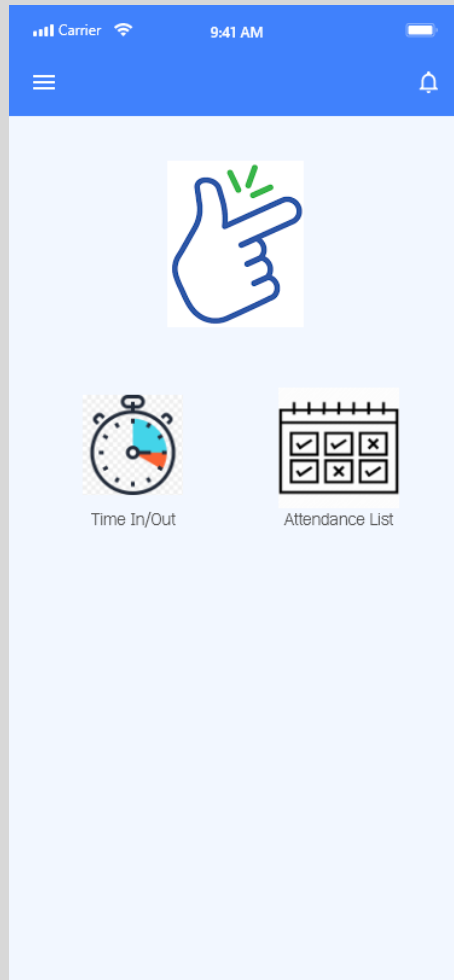
Reset

ID	Staff Code	Name(KH)	Name(EN)	For Date	To Date	From Time	To time	Status
1	1000001	keo Mony	keo Mony	1/02/2023	1/02/2023	8:00 am	5:00 pm	Present
2	1000001	keo Mony	keo Mony	2/02/2023	2/02/2023	8:00 am	5:00 pm	Present
3	1000001	keo Mony	keo Mony	3/02/2023	3/02/2023	8:35 am	5:00 pm	Late: 35min
4	1000001	keo Mony	keo Mony	4/02/2023	4/02/2023	8:50 am	5:00 pm	Late: 50min
5	1000001	keo Mony	keo Mony	5/02/2023	5/02/2023	8:40 am	5:00 pm	Late: 40min
6	1000001	keo Mony	keo Mony	N/A	N/A	N/A	N/A	Leave Request
7	1000001	keo Mony	keo Mony	N/A	N/A	N/A	N/A	Absent
8	1000001	keo Mony	keo Mony	7/02/2023	7/02/2023	8:00 am	5:00 pm	Present

Prototype mobile



Prototype mobile

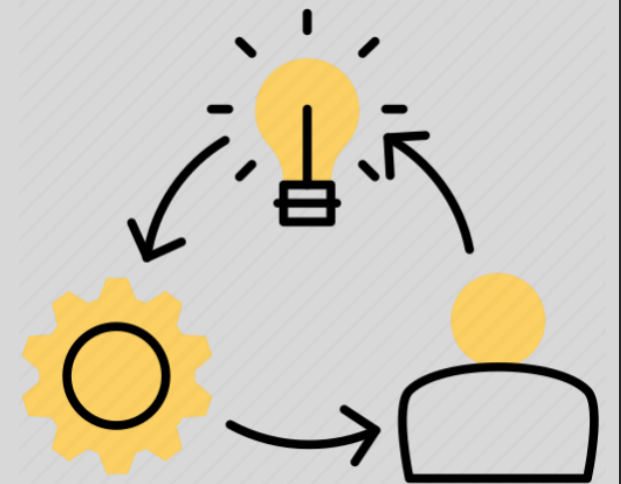


The "Attendance list" screen has a blue header with a back arrow, status icons, and the title "Attendance list". The main content area is light blue and displays a table with attendance records.

Date	Time in	Time out	Status
2021/09/01	13:55:07	18:10:07	✓
2021/09/01	08:01:07	11:59:07	✓
2021/08/31	13:59:07	N/A	✗

Progress

1. Have you had all documents references to do your topic?
2. Have you arrange all algorithms/pseudo codes to do your topic? Can you give a quick view in one page.
3. Have you structure your Core/API project yet? (e.g. existing API or spring boot)
4. Have you structure your Android project: Menu / Process activity screen etc.?
5. How many percentage now?



Progress

2. Have you arrange all algorithms/pseudo codes to do your topic? Can you give a quick view in one page.
3. Have you structure your Core/API project yet?

2

Company policy: 8am to 12am & 14pm to 18pm

Generate office location:

If the location is correct => attendance is recorded

Attendance checking available:

Morning:

- In 7:30 am to 8:20am
- Out 11:50 am to 12:30pm

Afternoon

- In 13:30pm to 14:20pm
- Out 17:50 pm to 19:00pm

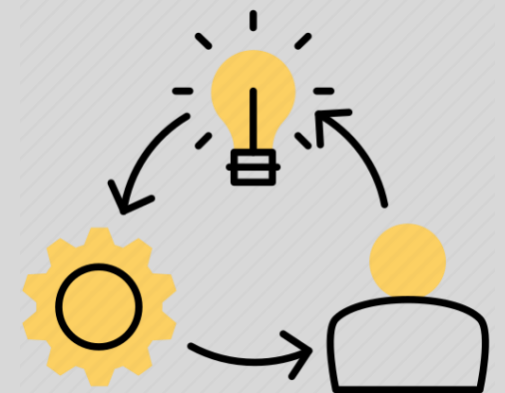
3

Technologies:

API: Springboot

db: Postgresql

Mobile: Native



Database

pgAdmin 4

File Object Tools Help

Browser

- Databases (5)
 - assignment-attendance
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Procedures
 - Sequences
 - Tables (6)
 - attendance-logs
 - attendance-policies
 - employees
 - user_roles
 - users
 - working-schedules
 - Trigger Functions
 - Types
 - Views

Dashboard Properties SQL Statistics Dependencies public.employees/assignment-attendance/postgres@PostgreSQL 12

public.employees/assignment-attendance/postgres@PostgreSQL 12

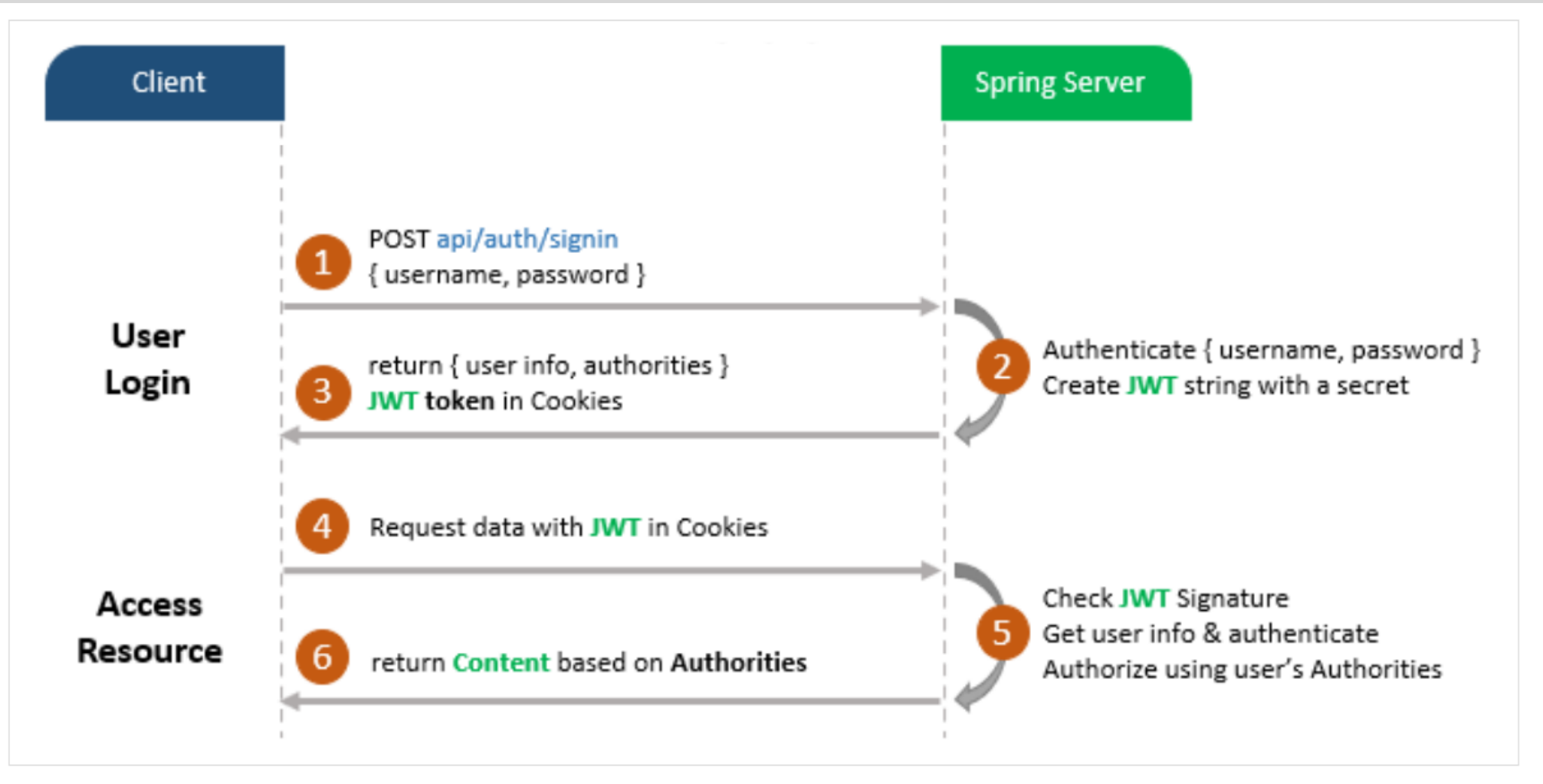
Query Editor Query History

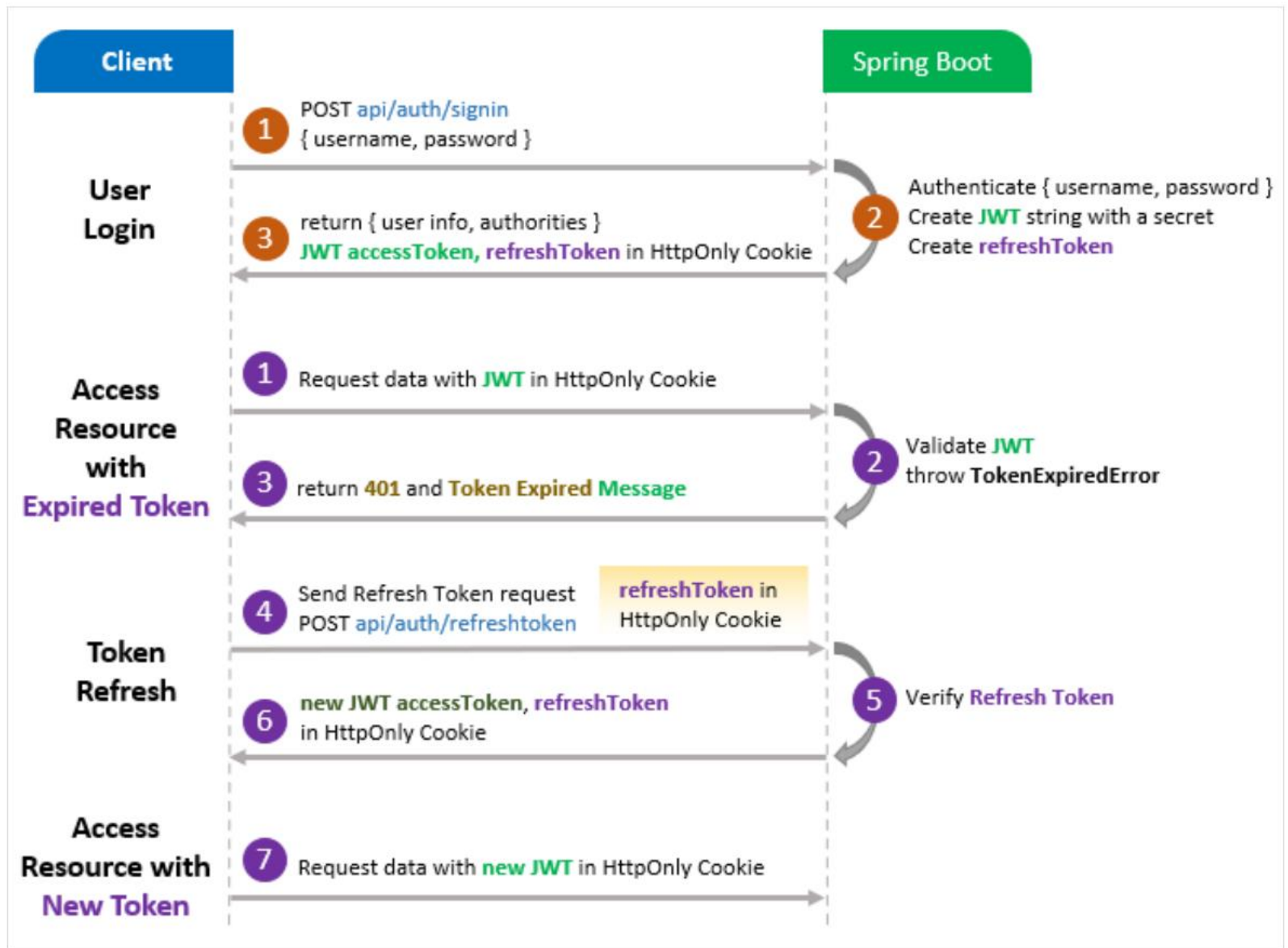
```
1 SELECT * FROM public.employees
2 ORDER BY id ASC
```

Data Output Explain Messages Notifications

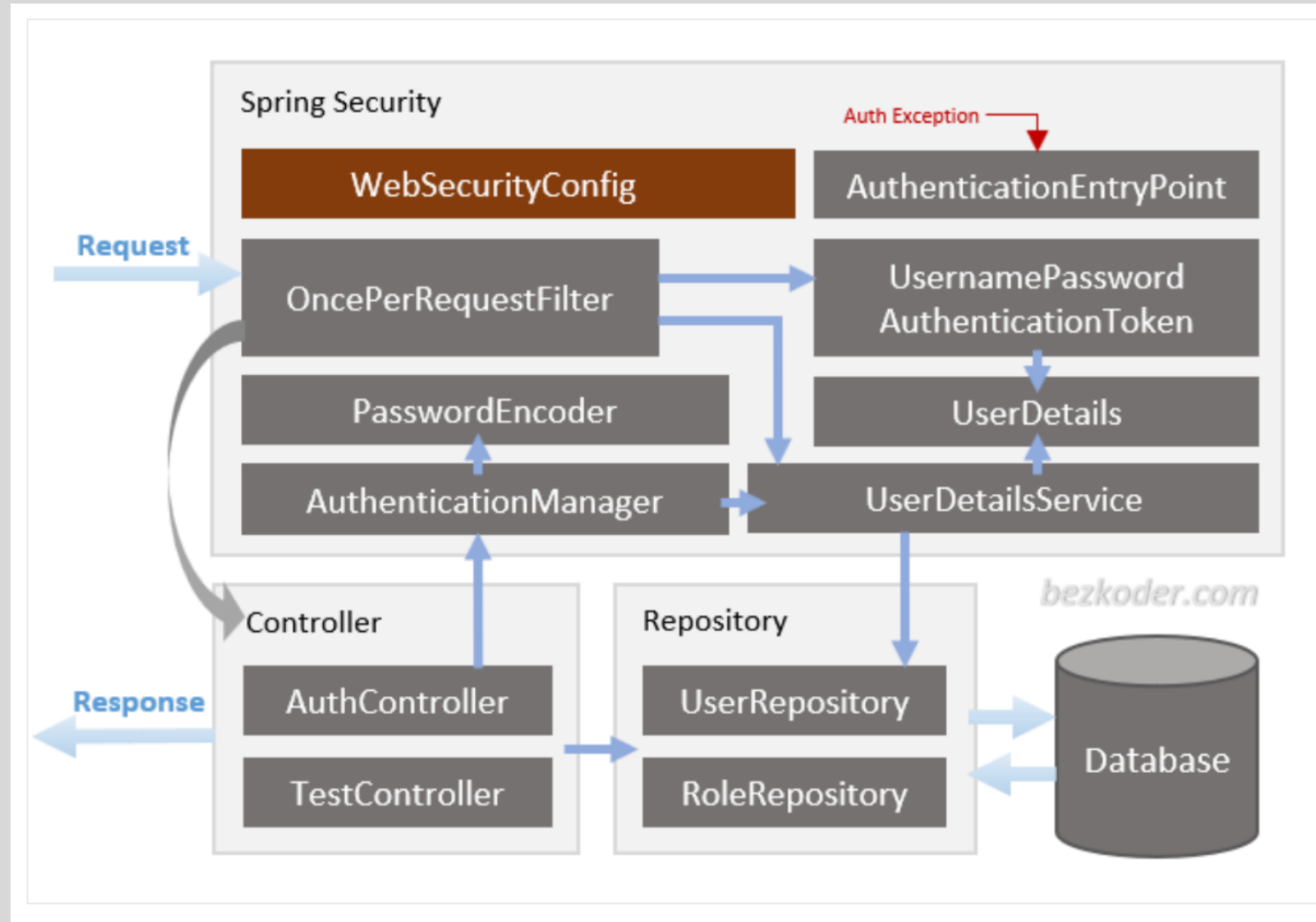
	first_name_kh	gender	last_name	last_name_kh	nationality	phone_number	user_id
	character varying (100)	character varying (255)	character varying (100)	character varying (100)	character varying (100)	character varying (20)	bigint
0)	[null]	MALE	Man	[null]	[null]	012996809	2
	[null]	FEMALE	Tek	[null]	[null]	012996808	3
	[null]	MALE	Sok	[null]	[null]	012996807	4
	[null]	MALE	Huot	[null]	[null]	012996806	5

Flow of Spring Boot Security JWT example

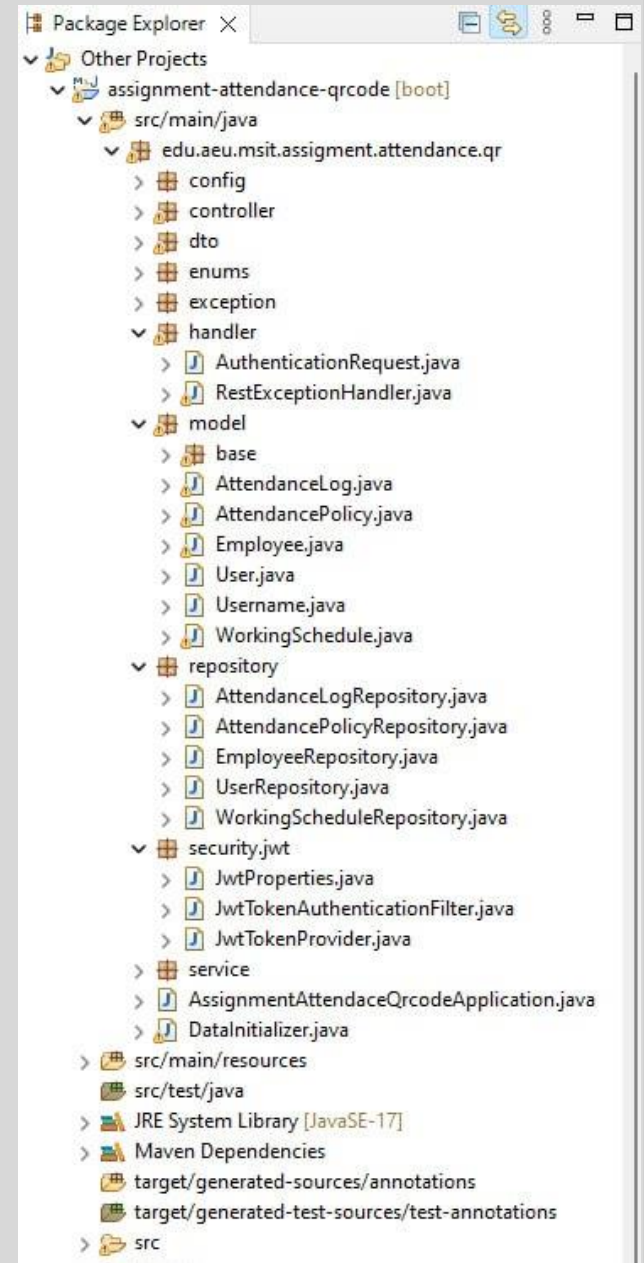
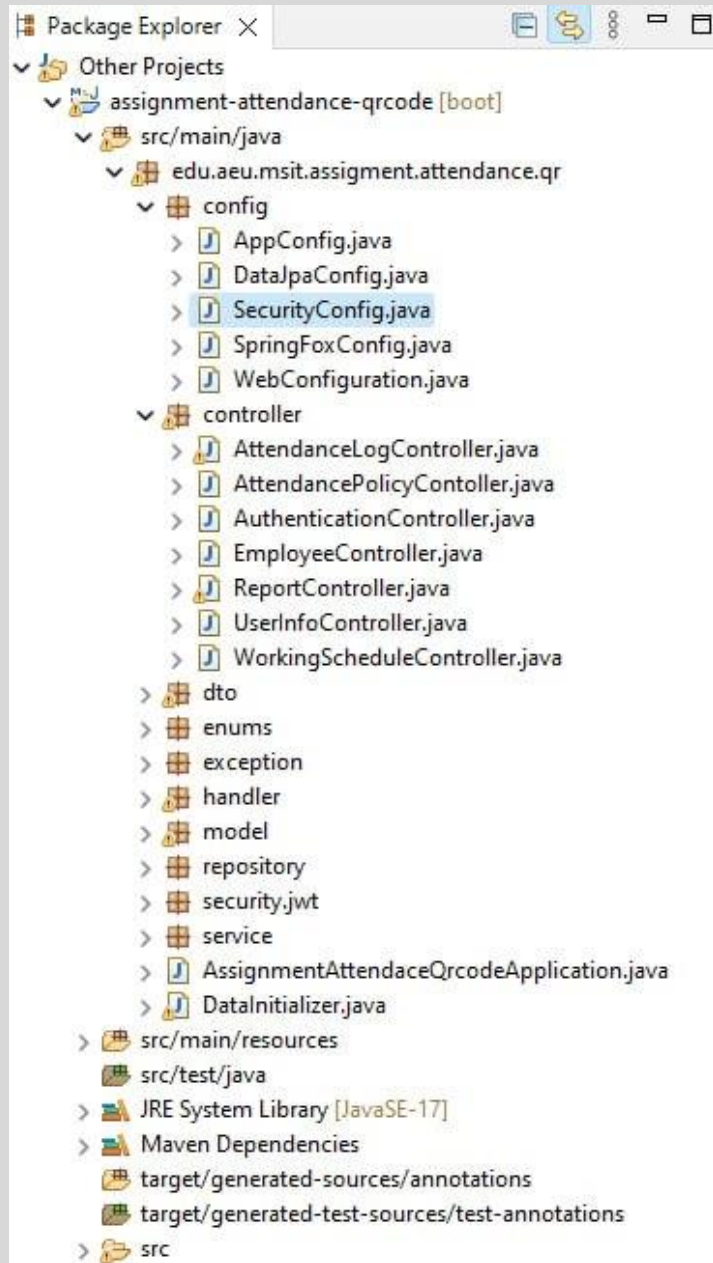
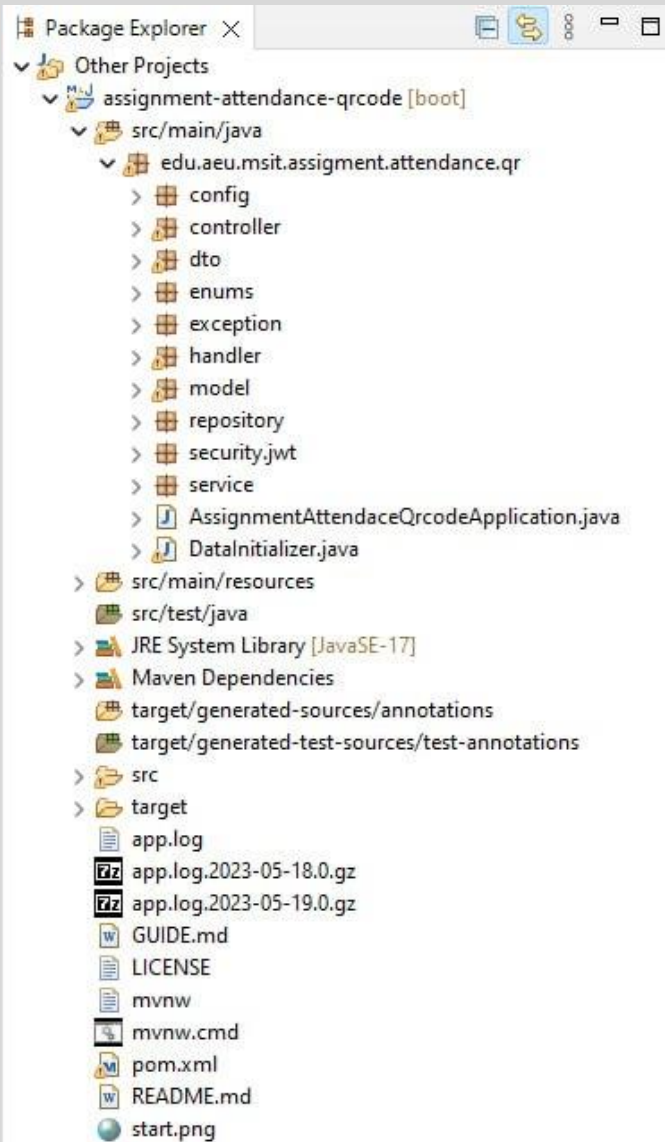




Spring Boot Architecture with Spring Security



Project Structure



*Thank
you*