

# Human Resource Information System Introduction

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KIT206

Software Design and Development

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**Assignment 2**

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**HRIS Introduction**



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## 1 Introduction

The purpose of this document is to present a lo-fi UI diagram of the application and its annotations for the entire Human resource information system. The whole system is designed according to the ideas put forward in Assignment 1.

HRIS Operations	Implementation details	Developer
Login interface	The login interface displays the username and password input box, and there is a “Login” button and an “Exit” button below. The user needs to enter the correct username and password to log in successfully, otherwise it will show “Username or password is incorrect”. The username is: Admin; the password is: 123456. The user can click the “Login” button to log in after the input is completed or click the “Exit” button to log out of the system.	Zhengyan Qiu 500821
Main interface	The Main screen displays two main components: Staff and Unit. The “Staff” button connects to the Staff interface, and the “Unit” button connects to the Unit interface. There is an “Exit” button in the bottom right corner to exit the system.	Qinhao Liang 529158
Staff interface (Including all the functions shown on the interface and interaction with the database)	<p>The Staff interface can be accessed through the main interface, which displays the Staff list, information column, and “Add”, “Edit”, “Save”, “Cancel” and “Exit” buttons from top to bottom.</p> <p>The user can select a staff in the staff list by clicking on his/her information, and then all the details will be displayed in the information column below. The user can also search for Staff details by entering their names in the query box and clicking the “Search” button. ID, Given name and Family name are already provided and cannot be changed.</p> <p>The user can enter the “Add staff details” mode by clicking on the “Add details” button, then the “Save” and “Cancel” buttons will light up to indicate availability. After adding the Staff details, click the “Save” button then the system will save the details to the database or click the “Cancel” button to cancel and exit from “Add staff details” mode. The campus and category can be selected in the drop-down list.</p> <p>The user can click the “Edit” button to enter “Edit staff details” mode. The “Save” and “Cancel” buttons will light up to indicate availability. In this mode, only the title and photo of the staff can be changed. The user can click the “Save” button and let the system save the staff data to the database or click the “Cancel” button to exit the “Edit staff details” mode.</p> <p>The bottom right of the interface displays the photo of the staff, users can click edit photo of the staff in “Add staff details” mode or “Edit staff details” mode, and click the “Add photo” button to choose a photo or click “Delete photo” button to remove the photo of the staff.</p> <p>At the bottom of the Staff interface, there are two buttons connected to the consultation interface and the class interface respectively, click the “Consultation” button to enter the Consultation interface and click the “Class” button to enter the Class interface.</p>	Qinhao Liang 529158

Unit interface (Including all the functions shown on the interface and interaction with the database)	<p>The user can access the Unit interface from the main interface. The Unit interface displays the Unit list at the top; the information column at the bottom left; “Add”, “Class” and “Exit” buttons at the bottom right. The user can select a unit in the Unit list by clicking on it, and the data will be displayed in the information column below.</p> <p>The user can add a unit by entering the unit data on the left side and then clicking the “Add” button on the right side, then the system will save the unit information and send it to the database. The coordinator can be selected in the drop-down table, which shows all the Staff IDs.</p> <p>The user can enter the class interface by clicking the “Class” button, or close the interface by clicking the “Exit” button.</p>	Kangwei Wang 525250
Class interface (Including all the functions shown on the interface and interaction with the database)	<p>Users can access the Class interface from either the Staff interface or the Unit interface, which displays the Class list, information column, and “Add”, “Edit”, “Save”, “Cancel” and “Exit” buttons from the top to bottom.</p> <p>The user can click the "Add" button to enter the "Add class" mode, then enter class details and click the “save” button to save the data or the user can click the "Cancel" button to exit the “Add class” mode.</p> <p>The User can click the “Edit” button to enter “Edit class” mode, then select a class in the Class list by clicking the information, the data will be displayed in the following information column for the user to edit. After editing, the user can click the "Save" button to save the data. The system will pop up a success window and send the data to the database. Or, the user can click the "Cancel" button to exit the "Edit class" mode.</p> <p>In both “Add class” and “Edit class" modes, Unit code, Campus, Day, Class type and Staff ID can be selected in the drop-down table. If the user enters a time that conflicts with an existing class time, the system will pop up a window showing “FAIL”, otherwise the system will pop up a window showing “Successful”.</p> <p>The user can close the interface by clicking the “Exit” button.</p>	Zhengyan Qiu 500821
Consultation interface (Including all the functions shown on the interface and interaction with the database)	<p>The user can access the Consultation interface from the Staff interface. The Consultation interface displays the Consultation list at the top; the information column at the bottom left; "Add", "Edit", "Save", "Cancel", and "Delete" buttons at the bottom right.</p> <p>The user can select a consultation in the Consultation list by clicking the information, and then all the details will be displayed in the information column below.</p> <p>The user can click the "Add" button to enter the "Add consultation" mode, then enter consultation details and click the "Save" button to save the data or click the "Cancel" button to exit the "Add consultation" mode.</p> <p>The user can click the "Edit" button to enter "Edit consultation" mode, then select a consultation in the Consultation list by clicking the information, the data will be displayed in the following information column for the user to edit. After editing, the user can click the "Save" button to save the data or click the "Cancel" button to exit the "Edit consultation" mode.</p> <p>In both "Add consultation" and "Edit consultation" modes, the Staff ID and Day can be selected in the drop-down table. If the user enters a time</p>	Jixuan Song 504309

	<p>that conflicts with an existing consultation time, the system will pop up a window showing “FAIL”, and if the time conflicts with a class time, the system will pop up a window showing “Class time conflict” and then pop up a window showing “FAIL”, otherwise the system will pop up a window showing “Successful”.</p> <p>The user can remove a consultation in the Consultation list by clicking on the selected row and then clicking on the “Delete” button. The user can exit the screen by clicking on the “Exit” button.</p>	
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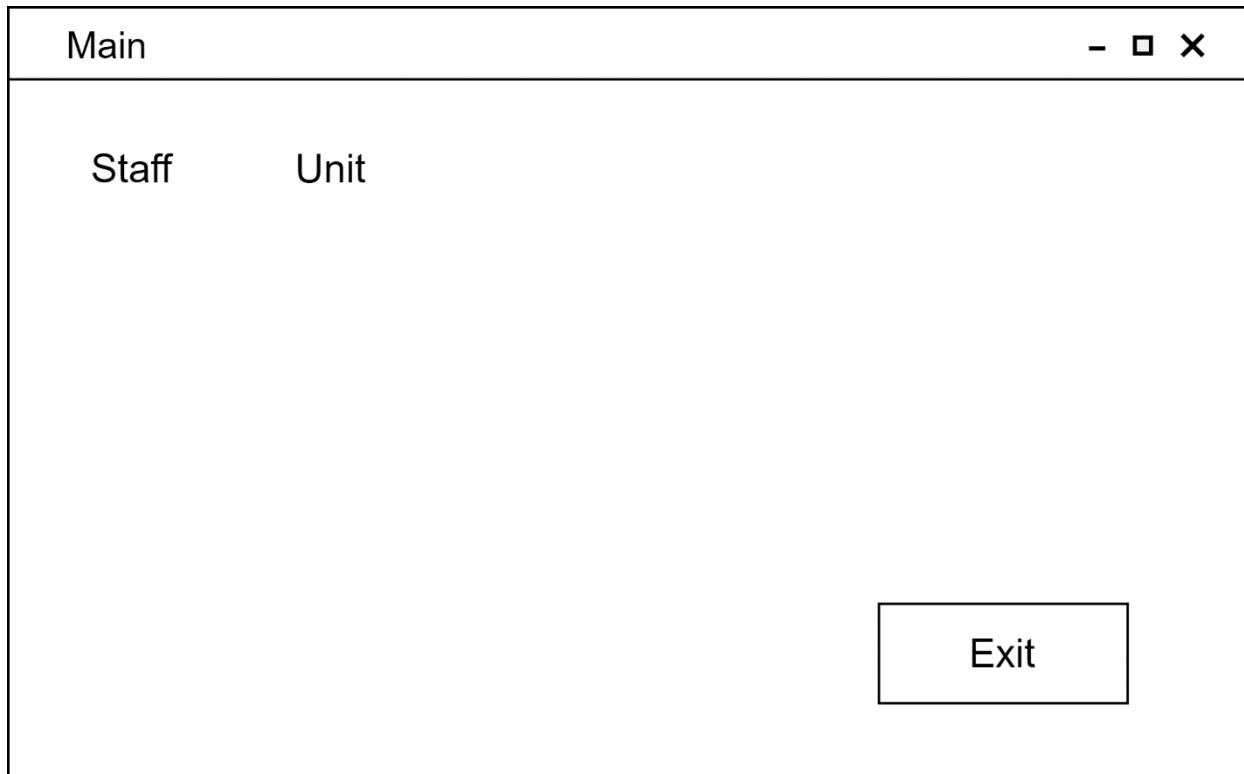
## 2 Prototype (UI Diagrams)

### 2.1 Login

The diagram shows a rectangular window with a title bar at the top. The title bar contains the word "Login" on the left and three standard window control icons (minimize, maximize, close) on the right. The main content area of the window is white. In the center of this area, the text "HRIS" is displayed in a large, bold, sans-serif font. Below "HRIS", there are two vertically stacked input fields. The first input field is preceded by the label "User:" and the second by "Password:". Both labels are aligned to the left of their respective input boxes. At the bottom of the window, there are two rectangular buttons. The left button is labeled "Login" and the right button is labeled "Exit". Both buttons are centered horizontally relative to their respective input fields above them.

The login interface allows users to log in by entering their username and password.  
“Exit” is to exit the system.

## 2.2 Main



The Main interface mainly has two components: Staff and Unit, which can be accessed to the Staff interface and the Unit interface respectively.

“Exit” is to exit the system.

## 2.3 Staff

Staff

Staff List

Query

Given\_name:  Family\_name:  Search

ID:  Given\_name:  Family\_name:

Title:  Campus:  Phone:

Room:  Email:  Category:

Campus:

Academic
Technical
Admin
Casual

Category:

Hobart
Launceston

The Staff interface displays the Staff list and allows the user to perform a series of actions.

Users can retrieve staff members by their names.

The information displayed includes Staff ID, Given name, Family name, Title, Campus, Phone, Room, Email, category and Photo.

Campus and category can be selected in the drop-down table.

“Add details” allows the user to add Staff title, Campus, Phone, Room, Email, and Category.

“Edit” allows the user to edit the title.

“Save” means to save after adding details or editing details.

“Cancel” means to cancel after adding details or editing details.

“Exit” is to exit the interface.

“Consultation” is to enter the consultation interface.

“Class” is to enter the class interface.

Photo can be added or edited.



2.4 Unit

Unit

Unit List

Code:

Add

Title:

Class

Coordinator:

v

Exit

Coordinator:

xxx	v
xxx	
xxx	
xxx	
.....	
.....	
.....	
.....	
.....	

The Unit interface displays the Unit list and allows the user to perform a series of actions. The information displayed includes Unit code, Title, and Coordinator. The coordinator can be selected in the drop-down table.

“Add” allows the user to add a unit.

“Class” is to enter the class interface.

“Exit” is to exit the interface.

## 2.5 Class

Class

Class List

Unit\_code:

v

Day:

v

Start:

Room:

Campus:

v

Type:

v

End:

Staff\_ID:

v

Add

Edit

Save

Cancel

Exit

Unit\_code:

KIT xxx

v

KIT xxx

KIT xxx

KIT xxx

.....

.....

.....

.....

.....

Campus:

v

Hobart

Launceston

Type:

v

Lecture

Tutorial

Practical

Workshop

Staff\_ID:

xxx

v

xxx

xxx

xxx

.....

.....

.....

.....

.....

Day:

v

Monday

Tuesday

Wednesday

.....

.....

.....

.....

.....

The Class interface displays the Class list and allows the user to perform a series of actions. The information displayed includes Unit Code, Day, Start Time, End time, Room, Campus, Class Type, and Staff ID.

Unit code, Campus, Day, Class type, and Staff ID can be selected in the drop-down table.

“Add” allows the user to add a class.

“Edit” allows the user to edit a class.

"Save" means to save after adding details or editing details.

"Cancel" means to cancel after adding details or editing details.

“Exit” is to exit the interface.

### 2.6 Consultation

Consultation

Consultation List

Staff\_ID:

Day:

Start:

End:

Add

Delete

Save

Cancel

Edit

Exit

Day:

Monday

Tuesday

Wednesday

.....

.....

.....

.....

.....

Staff\_ID:

xxx

xxx

xxx

xxx

.....

.....

.....

.....

.....

The Consultation interface displays the Consultation list and allows the user to perform a series of actions.

The information displayed includes Staff ID, Day, Start Time, and End time.

Staff ID and Day can be selected in the drop-down table.

“Add” allows the user to add a consultation.

“Edit” allows the user to edit a consultation.

"Delete" allows the user to remove a consultation.

"Save" means to save after adding details or editing details.

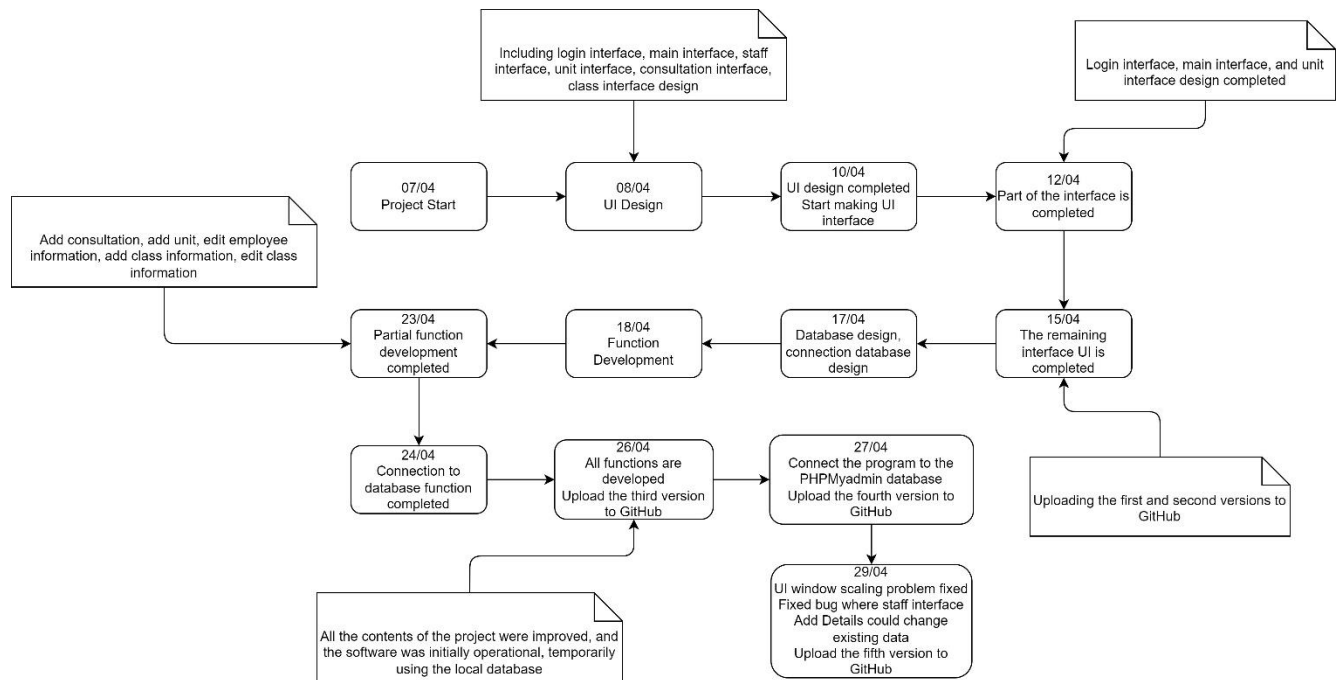
"Cancel" means to cancel after adding details or editing details.

“Exit” is to exit the interface.

## 3 Group Workflow

### 3.1 Flow Chart

This flow chart shows the complete development process of our group for the whole project, which started on the 7th of April and finished on the 29th of April, taking a total of 23 days.



### 3.2 GitHub Screenshot

Pulse
Contributors
Community
Community Standards
Traffic
Commits
Code frequency
Dependency graph
Network
Forks

April 21, 2022 – April 28, 2022

Period: 1 week

#### Overview

0 Active pull requests

0 Active issues

0

Merged pull requests

0

Open pull requests

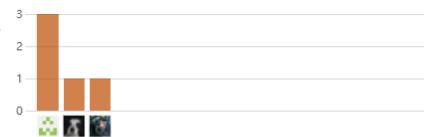
0

Closed issues

0

New issues

Excluding merges, **3 authors** have pushed **5 commits** to master and **5 commits** to all branches. On master, **101 files** have changed and there have been **55,985 additions** and **384 deletions**.



Pulse

Contributors

Community

Community Standards

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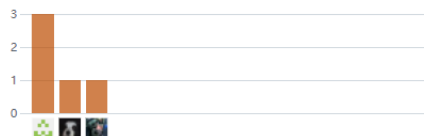
0

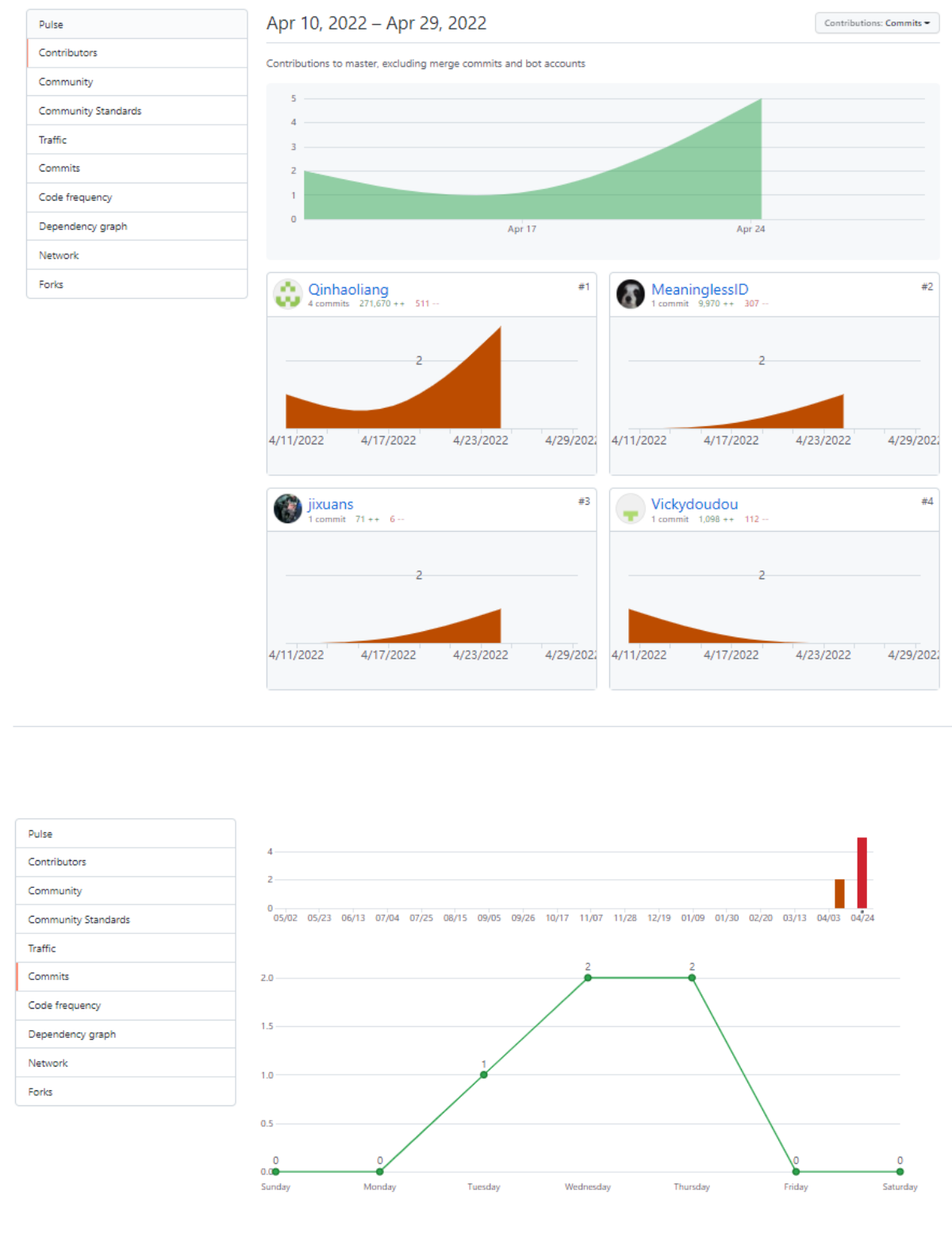
Closed issues

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## Reference:

DBTestOnAlacritas -gmis 2022, Mylo, viewed 04 April 2022, <<https://mylo.utas.edu.au/d2l/le/content/507817/viewContent/4448053/View>>

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