

The GUI looks like this upon opening the program:

The screenshot shows a window titled "PC2 Project" with two tabs: "Add Employee" and "Employee Information". The "Add Employee" tab is active, displaying two columns of input fields for "TEACHER" and "STAFF".

TEACHER Fields:

- First Name
- Last Name
- Email
- Address
- Specialty
- Degree (with a dropdown menu showing "BACHELOR / MASTER / PHD")
- Department ID (with a dropdown menu showing "BIOLOGY = 1 / CHEMISTRY = 2 / PHYSICS = 3")
- SIN NUMBER
- ☐ PART TIME
- ☐ DEPARTMENT DEAN
- Hours Worked

STAFF Fields:

- First Name
- Last Name
- Email
- Address
- SIN NUMBER
- Duty
- Workload
- Department ID

At the bottom of each column are buttons labeled "ADD TEACHER" and "ADD STAFF" respectively.

If the school data file is empty, the employee information tab will have the following default layout:

The screenshot shows the "Employee Information" tab active, displaying a list of departments and their associated teachers and staff. The list is as follows:

- department name: BIOLOGY
department id: 1
TEACHERS:
STAFF:
- department name: CHEMISTRY
department id: 2
TEACHERS:
STAFF:
- department name: PHYSICS
department id: 3
TEACHERS:
STAFF:

The list is displayed in a scrollable area with a vertical scrollbar on the right and a horizontal scrollbar at the bottom.

An error message displays at the bottom centre of the application when needed.

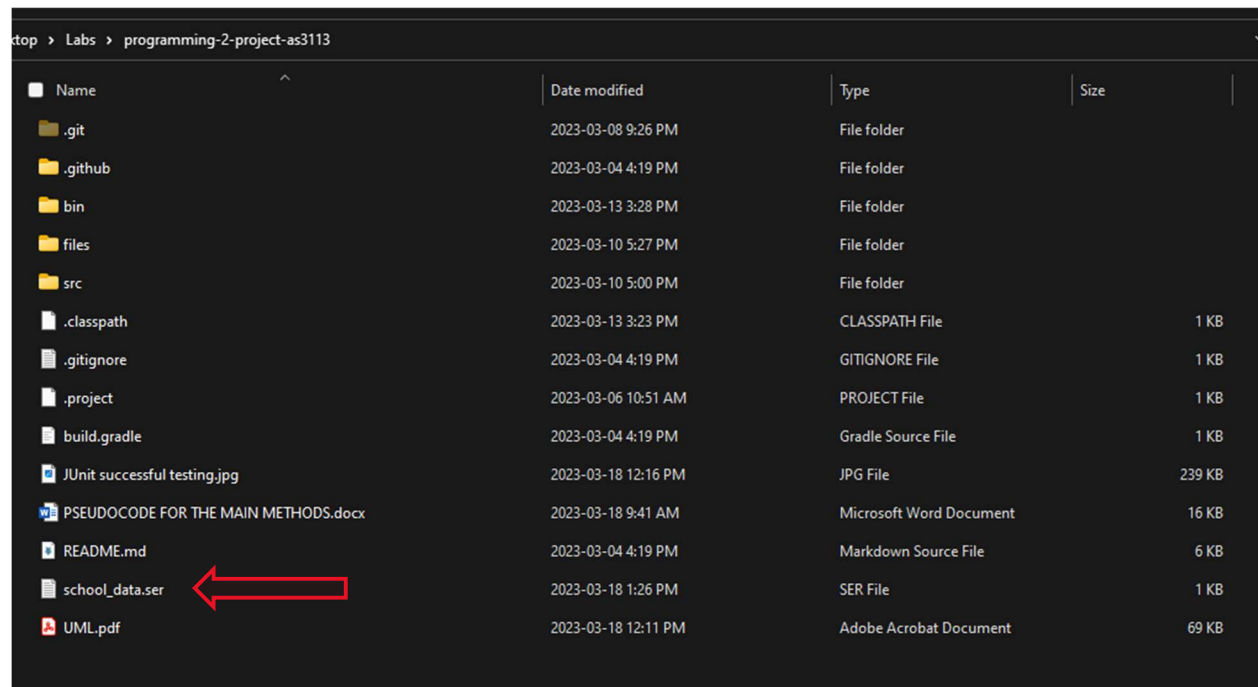
The screenshot shows the 'PC2 Project' application window with two tabs: 'Add Employee' and 'Employee Information'. The 'Add Employee' tab is active, displaying two columns of input fields for 'TEACHER' and 'STAFF'. The 'TEACHER' column includes fields for First Name, Last Name (containing 'Shastri'), Email, Address, Specialty, Degree (with a dropdown menu showing 'BACHELOR / MASTER / PHD'), Department ID (with a dropdown menu showing 'BIOLOGY = 1 / CHEMISTRY = 2 / PHYSICS = 3'), SIN NUMBER, and a checkbox for 'PART TIME'. The 'STAFF' column includes fields for First Name, Last Name, Email, Address, SIN NUMBER, Duty, Workload, and Department ID. At the bottom of each column are buttons labeled 'ADD TEACHER' and 'ADD STAFF'. A red arrow points to the text 'first name required' at the bottom center of the form, indicating a validation error for the First Name field.

If the user enters appropriate information, the entry is added to the Employee Information section:

The screenshot shows the 'PC2 Project' application window with the 'Employee Information' tab active. The tab displays a list of employee information organized by department. The list includes the following entries:

- department name: BIOLOGY
department id: 1
TEACHERS:
STAFF:
- department name: CHEMISTRY
department id: 2
TEACHERS:
STAFF:
- department name: PHYSICS
department id: 3
TEACHERS:
DEAN
Shastri, Adrian
email: ahas@gmail.com
SIN number: 888
specialty: Bowling
degree: phd
full time: true
hours worked: 34
weekly pay: \$6092.80
STAFF:

Upon closing the GUI, all the employee information is serialized and saved to a .ser file. This saved information will deserialize and repopulate the Employee Information tab when the GUI is reopened.



top > Labs > programming-2-project-as3113

Name	Date modified	Type	Size
.git	2023-03-08 9:26 PM	File folder	
.github	2023-03-04 4:19 PM	File folder	
bin	2023-03-13 3:28 PM	File folder	
files	2023-03-10 5:27 PM	File folder	
src	2023-03-10 5:00 PM	File folder	
.classpath	2023-03-13 3:23 PM	CLASSPATH File	1 KB
.gitignore	2023-03-04 4:19 PM	GITIGNORE File	1 KB
.project	2023-03-06 10:51 AM	PROJECT File	1 KB
build.gradle	2023-03-04 4:19 PM	Gradle Source File	1 KB
JUnit successful testing.jpg	2023-03-18 12:16 PM	JPG File	239 KB
PSEUDOCODE FOR THE MAIN METHODS.docx	2023-03-18 9:41 AM	Microsoft Word Document	16 KB
README.md	2023-03-04 4:19 PM	Markdown Source File	6 KB
school_data.ser	2023-03-18 1:26 PM	SER File	1 KB
UML.pdf	2023-03-18 12:11 PM	Adobe Acrobat Document	69 KB