

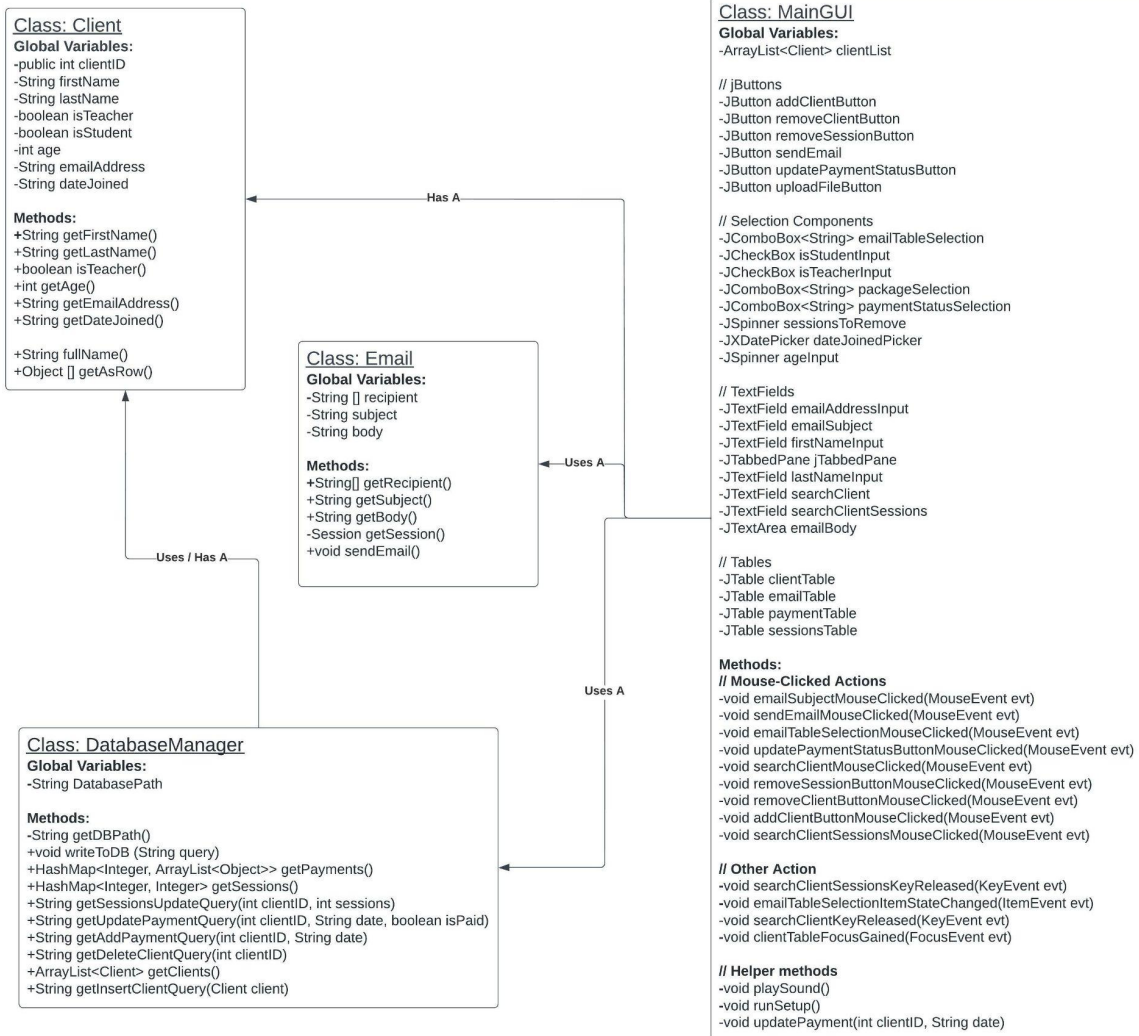
Criterion B

Solution/Design Overview

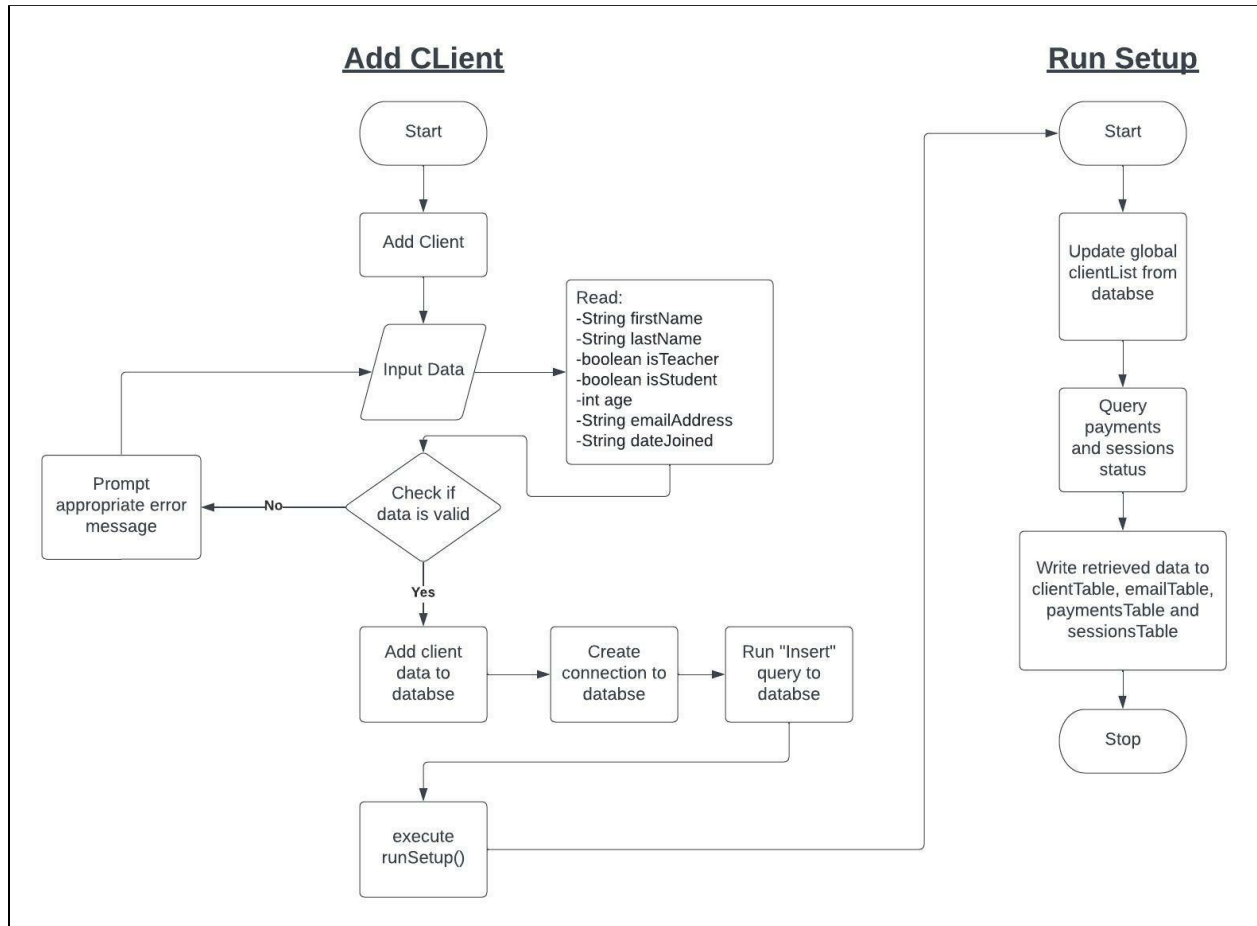
Input	Data Type	Normal Range etc	Normal Example(s)
Student First Name	String	Numbers or other extraneous characters Warning message, if field not filled-> Name must be entered	Andrew
Student Last Name	String	Numbers or other extraneous characters Warning message, if field not filled-> Name must be entered	Alexander
Date Joined	String	String representation in the format of "yyyy/dd/mm"	2016/01/03
Teacher	Boolean represented by Integer	True or false	True
Student	Boolean represented by Integer		
Age	int	Must be equal to or greater than age 10	42
Email Address	String	Not left blank; normal emails Must include the "@" symbol	csia@gmail.com
Email Subject	String	Not left blank	Payment Notice
Email Body	String	Large email text body	Hello dear Client, This is a notice for an upcoming payment

			... etc.
Paid	Boolean represented by Integer	True or false	False

Class Diagram



Flow Charts



Initial Prototype:

Add Clients | **Sent** | **Email**

First Name

Last Name

Date Joined

Teacher Student

Age

Email Address

ID	Full Name	Age	Email Address	Student/ Teac...	Date Joined
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Add Clients | **Sent** | **Email**

Recipient Address

Subject

Body

Full Name	Email	Teacher/ Student	Paid
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Final Prototype¹:

Add Clients | Sessions Status | Payment Status | Email

First Name

Last Name

Date Joined ▼

Teacher Student

Age ▲ ▼

Email Address

ID	Full Name	Age	Email Address...	Student/ Tea...	Date Joined
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Sessions Status | Add Clients | Payment Status | Email

Add/Remove Sessions

Select	Client ID	Full Name	Last Payme...	Current Ses...
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Select Amount Of Sessions To Add

▼

Select Amount Of Sessions To Remove

▼

¹ Tony Hemsley, interview by author, Bangkok, January 14, 2022, Interview #2

Client Payment Status

Search Client

Select	Client ID	Full Name	Last Payme...	Payment Sta...
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Update Client Payment Status... ▾

Update Status

Select Recipient/s:

Selected	Full Name	Email	Teacher/ Student	Payment Status
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Select... ▾

Subject

Upload Text File

Send Email