Project title:

SCHOOL DEPARTMENT MANAGEMENT SYSTEM

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Agenda

1. About me
2. Introduction to my project
3. Problem
4. Solution
5. View
6. Future work
7. Demo

About me:

- Names: Gilbert Ihame
- School: Adventist University of Central Africa (AUCA-Rwanda)
- Major: Software Engineering
- Trainings:
  - Spring & Hibernate for Beginners (includes Spring Boot) - Udemy-2021
  - Excel in coding training-2021
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Community membership:

- KLAB member 2018-Current

INTRODUCTION TO MY PROJECT

- I have developed a desktop application that can help a given school to in management of their student , staff and courses.
- In this application the school managing staff can:
  - Record, update , delete and display data regarding to students, course and staffs.
  - Data are saving automatically into a database
  - Upload a file contains department data and automatically get populated to the database (without waste time by recording one by one).

PROBLEM

- More school uses excel to register any data related to the school.
  eg: Students, employers, courses data, etc
- This is time consuming.
- This can also lead to the following problems like:
  - Error or loss of data during the recording
  - Excel cost is very expensive
  - it consume more space in our computer .
  - Graphical user interface (GUI) is not friendly.
  - Excel is complex to master.

SOLUTION

- I have build a desktop application that will help the administrator of the school to address the above those problems.

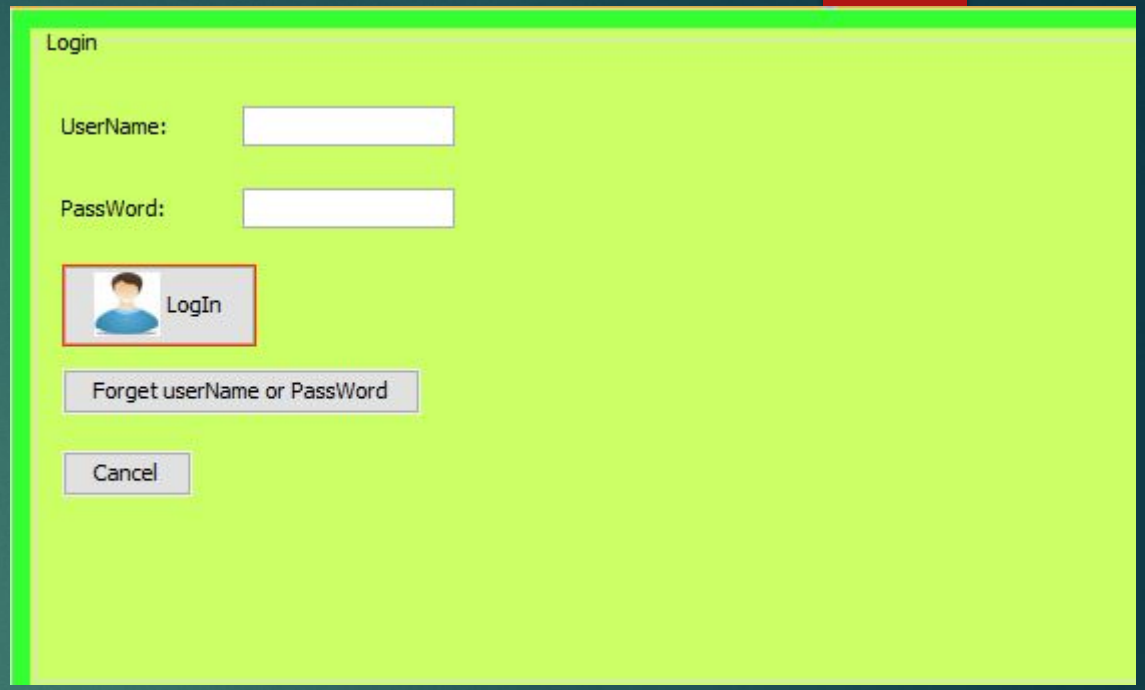
Our solution will offer the following:

- Cheap cost
- Nice looking GUI
- Real time saving of their information in database.
- Our solution will accept to upload excel file so that we can't lose data at the first time.
- This solution will permit user to add ,delete ,update and display information in real-time.

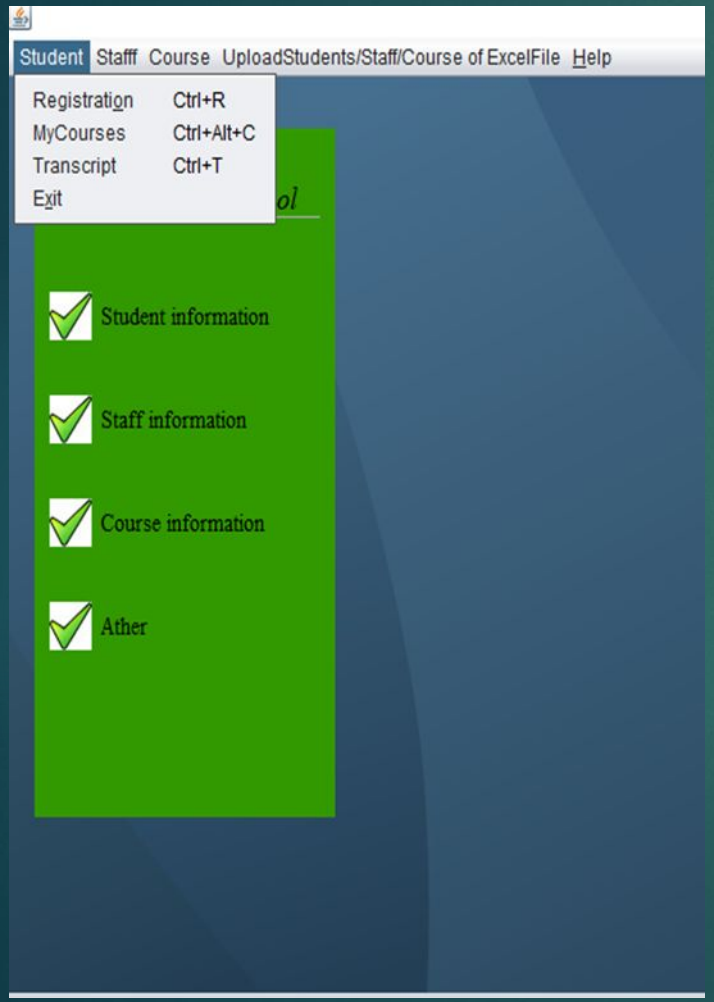
VIEW OF MY PROJECT

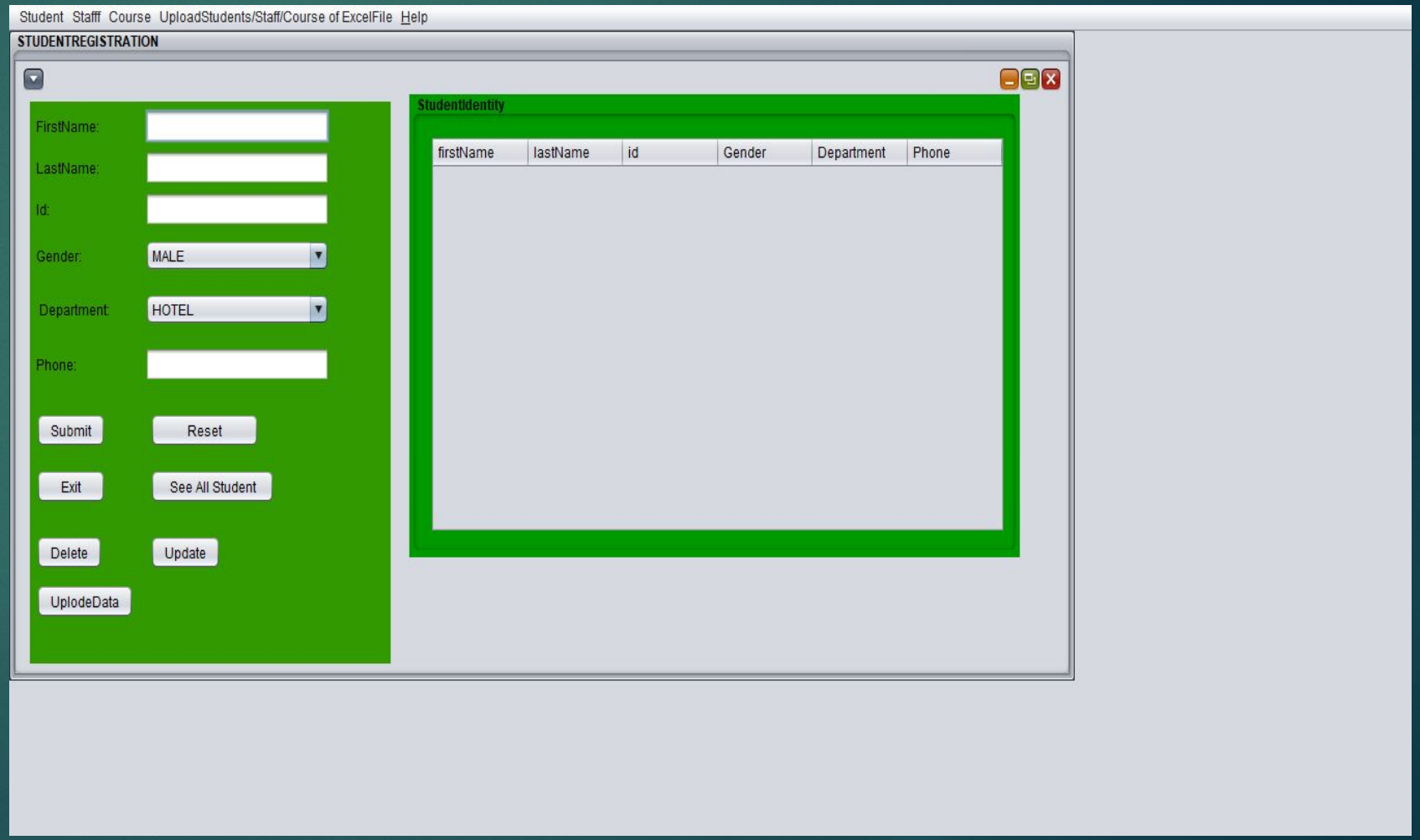
Login of user of any department

He/she have to enter his or her user name and password that can allow to continue the transaction.

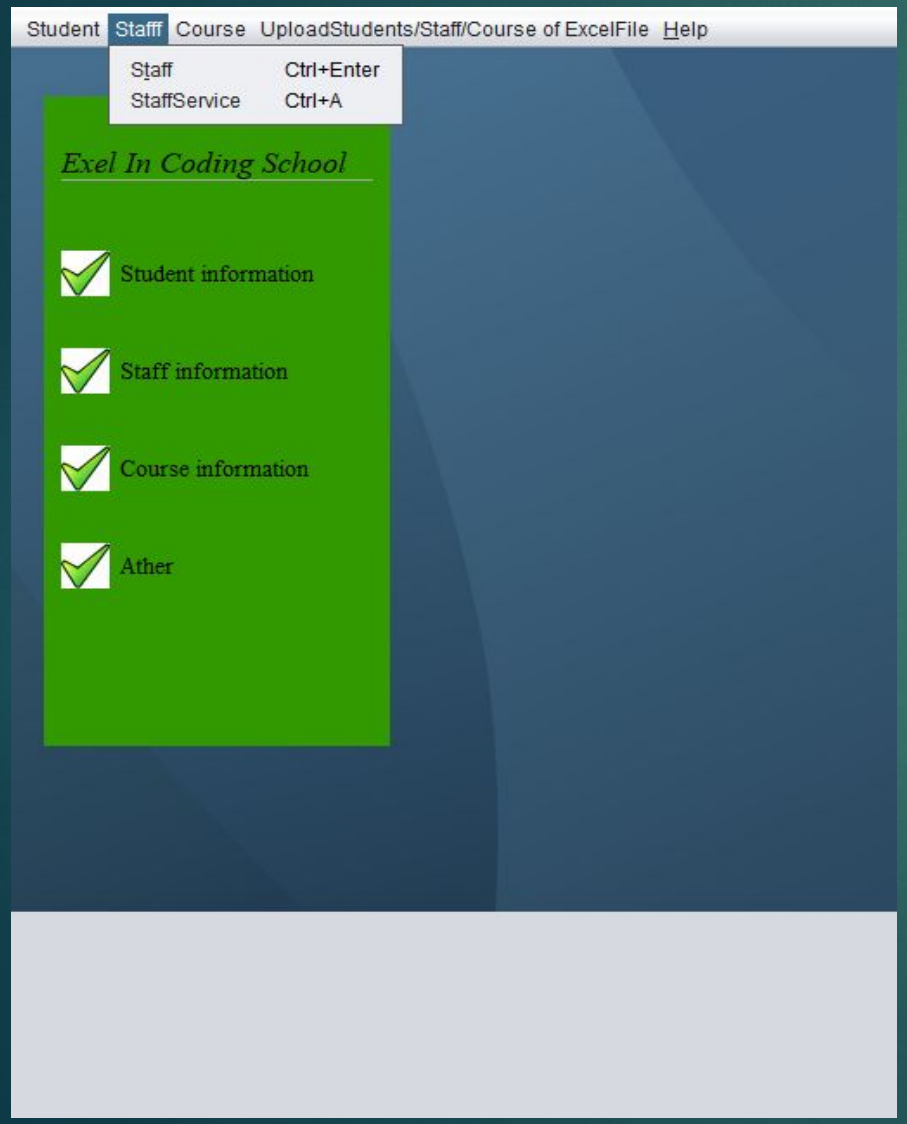


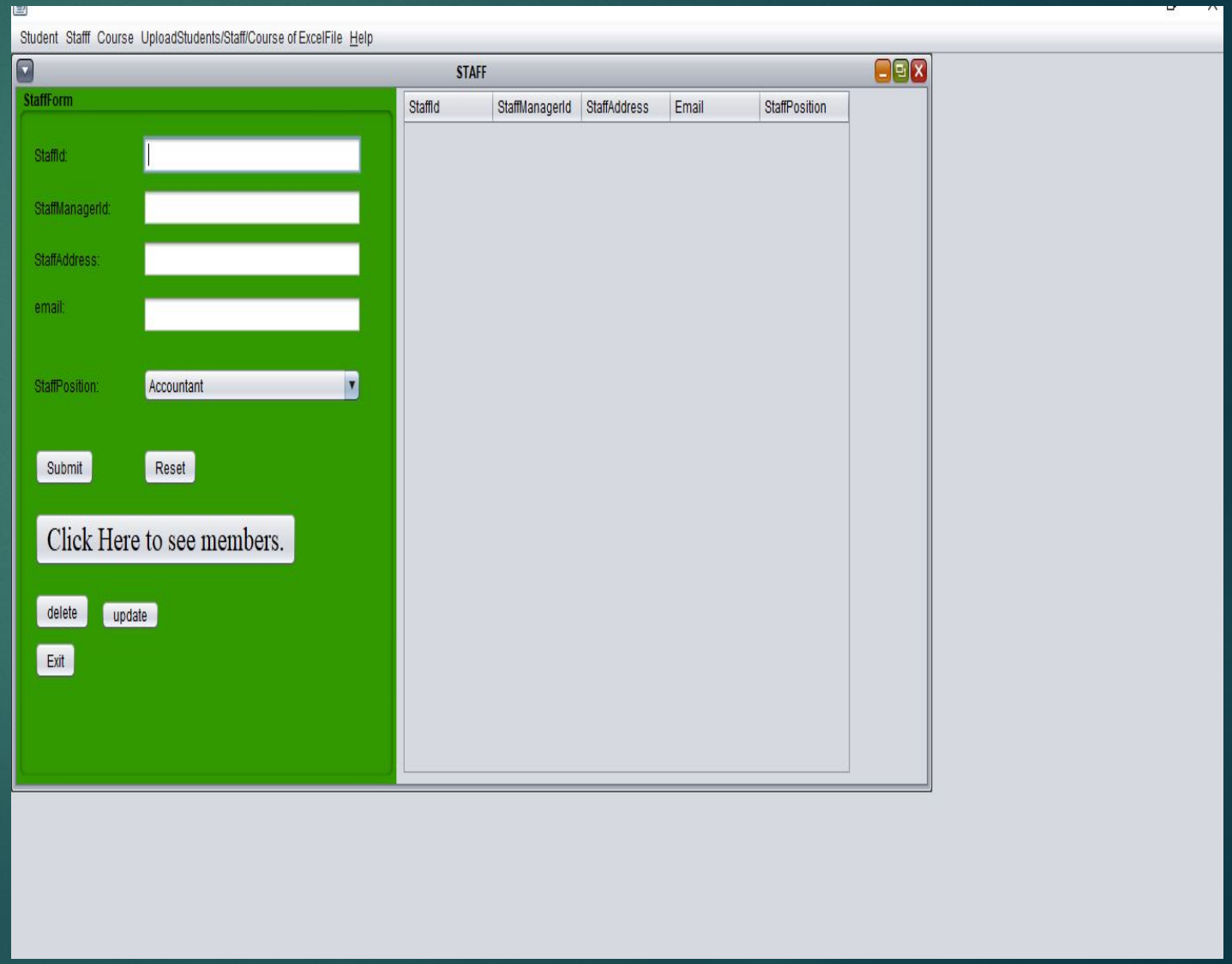
STUDENT


Student Stafff Course UploadStudents/Staff/Course of ExcelFile Help
Registration Ctrl+R
MyCourses Ctrl+Alt+C
Transcript Ctrl+T
Exit
Student information
Staff information
Course information
Ather

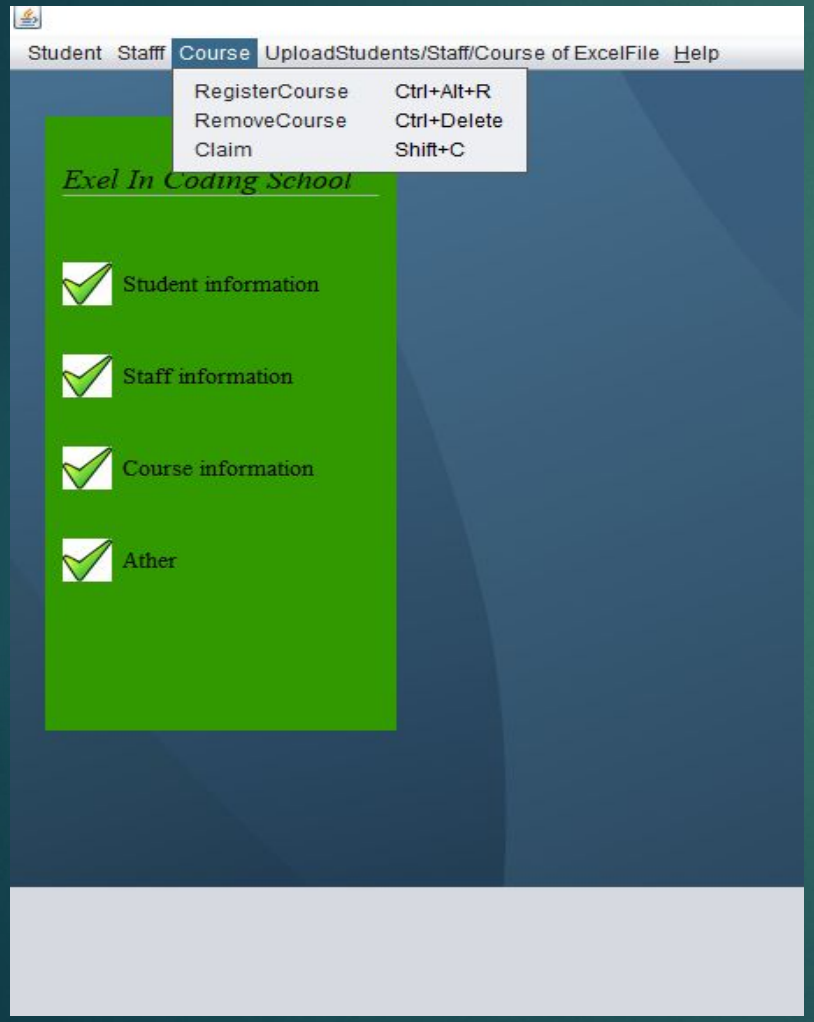

Student Stafff Course UploadStudents/Staff/Course of ExcelFile Help
STUDENTREGISTRATION
FirstName:
LastName:
Id:
Gender:
MALE
Department:
HOTEL
Phone:
Submit
Reset
Exit
See All Student
Delete
Update
UplodeData
StudentIdentity
firstName
lastName
id
Gender
Department
Phone

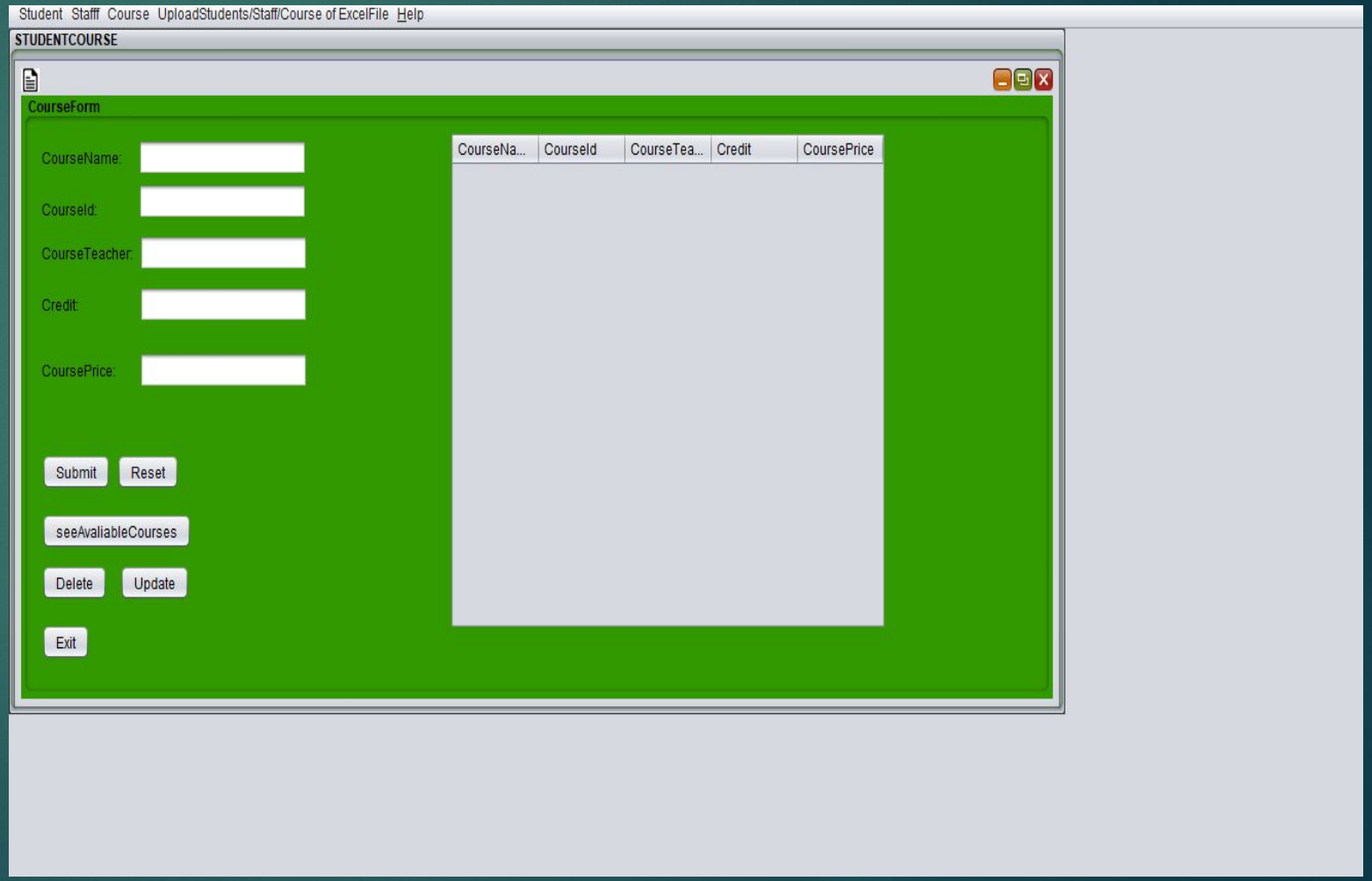
STAFF


Student
Stafff
Course
UploadStudents/Staff/Course of ExcelFile
Help
Staff Ctrl+Enter
StaffService Ctrl+A
Exel In Coding School
Student information
Staff information
Course information
Ather

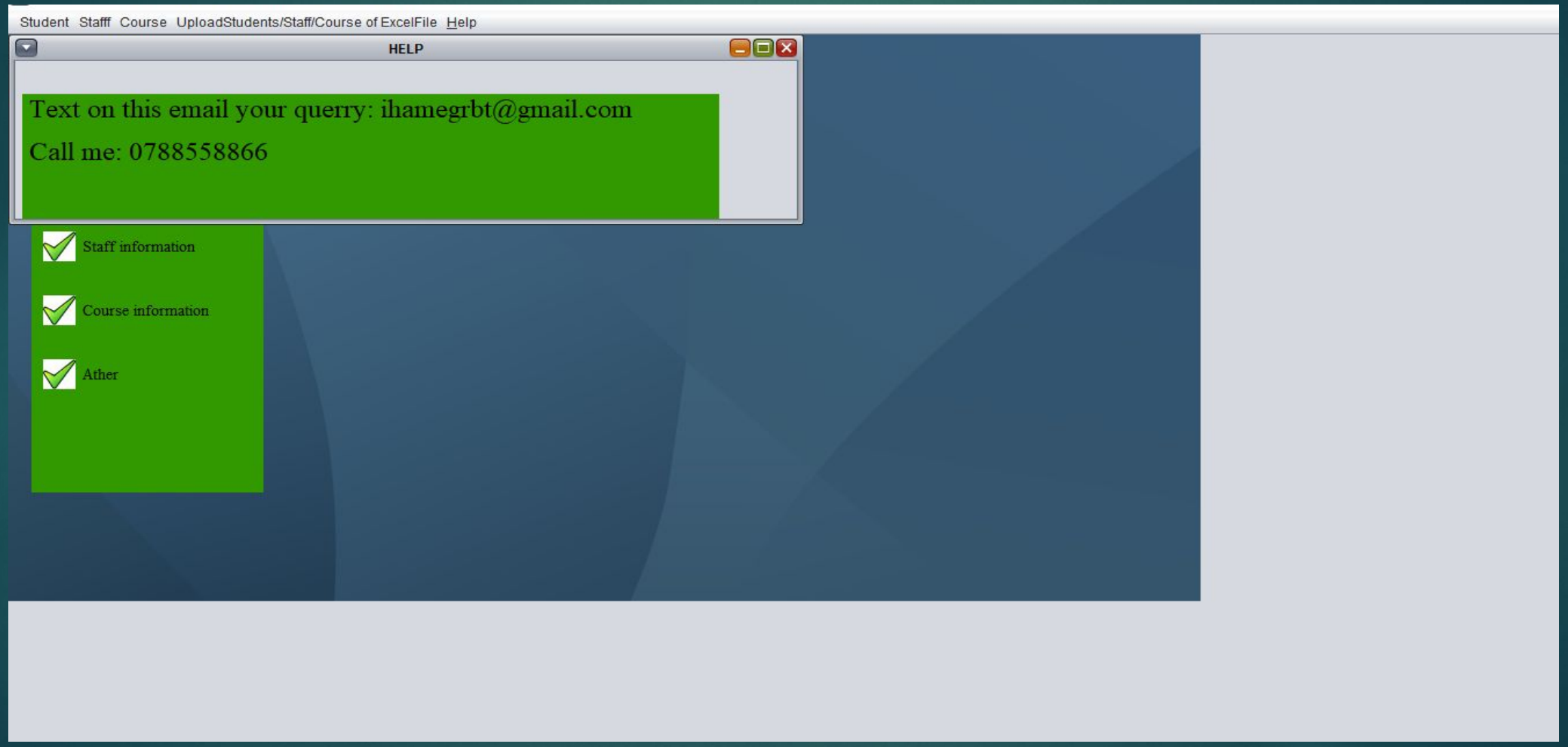

Student
Stafff
Course
UploadStudents/Staff/Course of ExcelFile
Help
STAFF
StaffForm
StaffId:
StaffManagerId:
StaffAddress:
email:
StaffPosition:
Accountant
Submit
Reset
Click Here to see members.
delete
update
Exit
StaffId
StaffManagerId
StaffAddress
Email
StaffPosition

COURSES

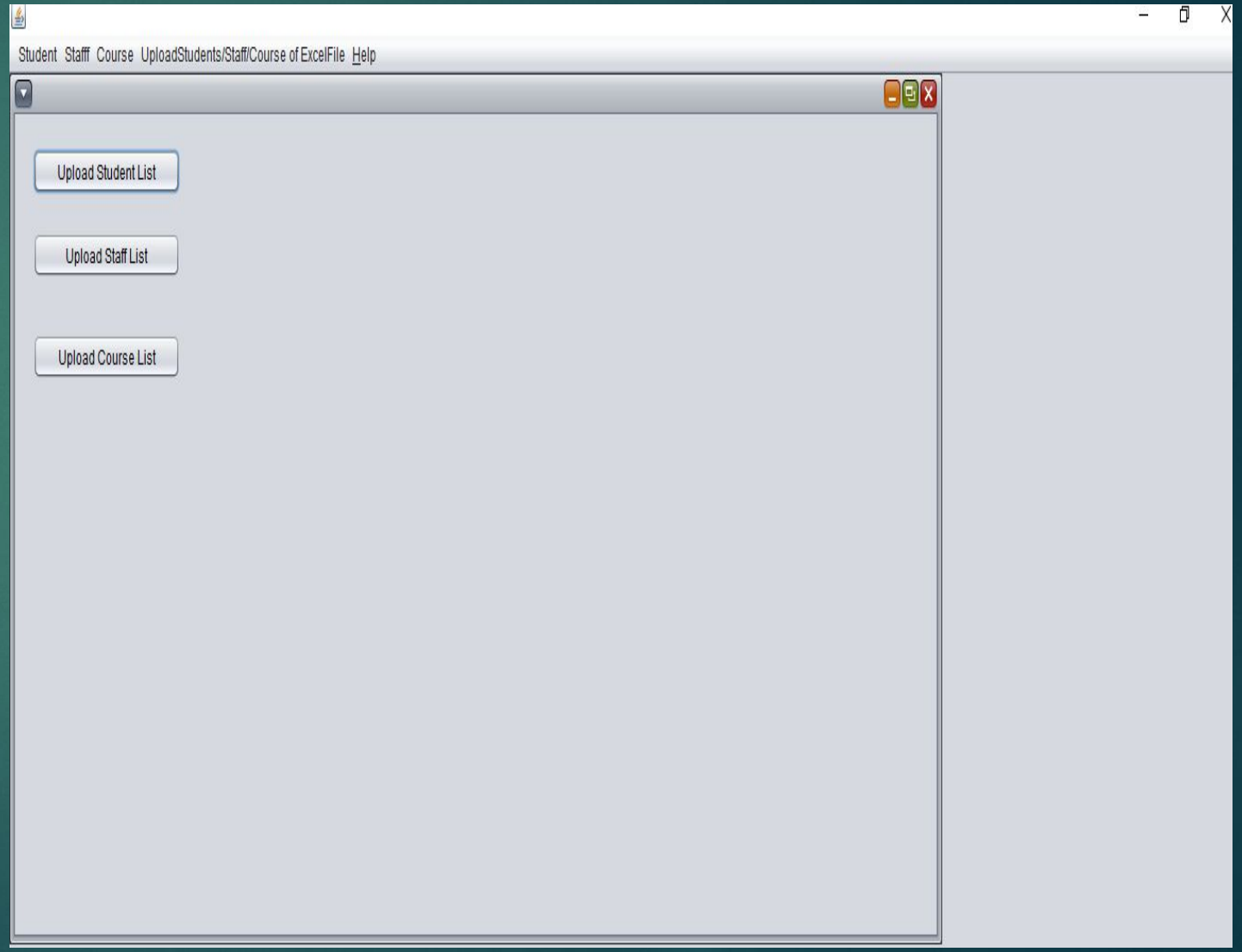

Student
Stafff
Course
UploadStudents/Staff/Course of ExcelFile
Help
RegisterCourse Ctrl+Alt+R
RemoveCourse Ctrl+Delete
Claim Shift+C
Exel In Coding School
Student information
Staff information
Course information
Ather


Student
Stafff
Course
UploadStudents/Staff/Course of ExcelFile
Help
STUDENTCOURSE
CourseForm
CourseName:
CourseId:
CourseTeacher:
Credit:
CoursePrice:
CourseNa...
CourseId
CourseTea...
Credit
CoursePrice
Submit
Reset
seeAvaliableCourses
Delete
Update
Exit

HELP


Student Stafff Course UploadStudents/Staff/Course of ExcelFile Help
HELP
Text on this email your querry: ihamegrbt@gmail.com
Call me: 0788558866
Staff information
Course information
Ather

Upload excel file



FUTURE WORK

- Build a Spring Boot web application to support more schools.
- Include student marks records.
- Include students performance analysis and future performance prediction support.

DEMO TIME !!!