



CS 311 - Project Milestone 3 Term 1 – 2018

Project Report

Class Group #: 8

Project Group #: 1

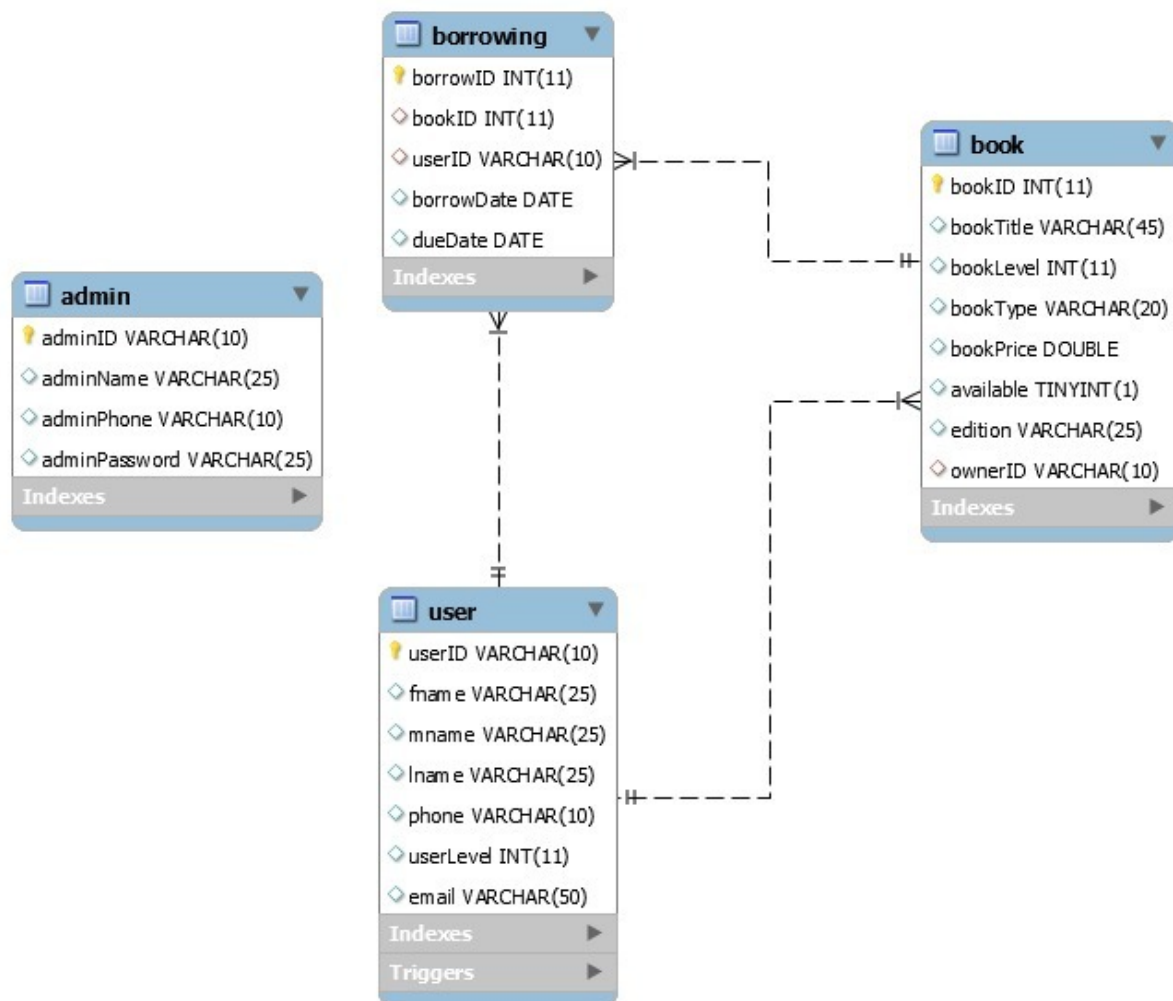
#	Name	ID	Role Participated In	Sign
1	Jumana AlGhamdi	2180006622	Building frames (GUI builder) Database connection Tables and fetching data Error handling Displays frames and adding frames	
2	Maryam Jamal	2170008191	Building frames (GUI builder) Database connection Tables and fetching data Files The Report	
3	Zainah Alhaddad	2170001944	Building frames (GUI builder) Database queries	
4	Latifa Alolayan	2170000580	Building frames (GUI builder) Database queries The Report	
5	Doaa Saleh – Saleh	2170007785	Building frames (GUI builder) Database connection Tables and fetching data Error handling Sign in frame and dialogues	

منصة
كاف

Introduction:

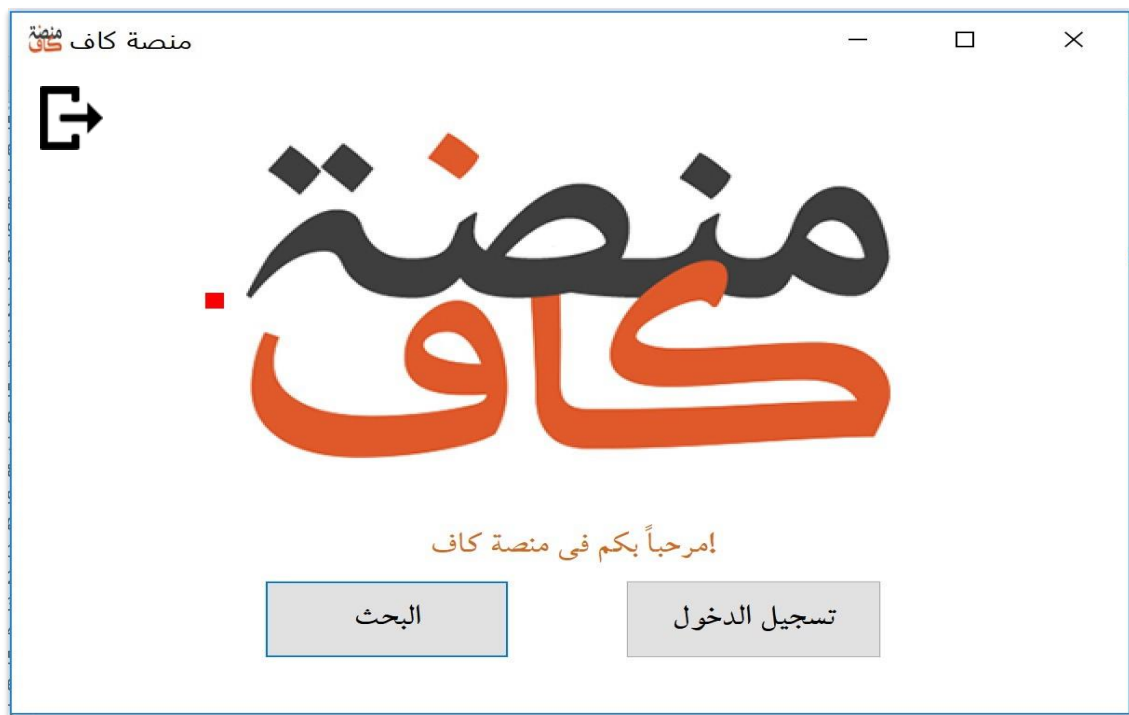
We are a team of five members decided to design and code a system for (Kaff Platform) which is an initiative of Student Activity Unit in Computer Science College - female section. The initiative is "exchange books". Its goal is to help students each other to get the books they need. Especially, the prices of university books are generally considered high and many of the students are unable to buy books. So, the students can get the books by this platform with affordable. In addition, another goal is to recycle books through this platform, where these books are in excess of the need of some students. So it is best to get rid of them in an appropriate way by giving them to students. Through this platform, students can buy and sell books as well as borrow and then return it.

ER Diagram:



FRAMES AND FLOW STRUCTURE:

- ✓ Main frame in our system:



- ✓ From here could choose either search or sign in
- ✓ Search:



- ✓ **Log in:**
- ✓ Enter username and password.

- ✓ Error dialog will appear in case of unmatched data



- ✓ **When you click on this tag:**



- ✓ Go to pervious screen
- ✓ **When you click on logo:**



- ✓ Go to Main Menu frame

- ✓ Menu which help user to add book new book or update information of the book and display and update user's information.



- ✓ When admin or user select add new book this frame will appears

When book added successfully



When book didn't add successfully



- ✓ When admin or user select display and update user this frame will appears

جدول معلومات المستخدمين

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2160005577	سارة	0567674378	2	sara@hotmail.co
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تعديل معلومات المستخدم

رمز المستخدم: 2170004342

اسم المستخدم: منى

جوال المستخدم: 0544632742

المستوى: 8

إيميل المستخدم:

إلغاء تعديل حذف رجوع

- ✓ When admin or user select display and update book this frame will appears

When information updated successfully



When information not updated successfully



جدول معلومات الكتب

رمز الكتاب	عنوان الكتاب	النوع	سعر الكتاب	الإثابة	الإصدار
7	Discrete Mathematics	1	0.0	0.0	1
1	Fundamentals of OOP	6	بيع	230.0	1
2	Discrete mathematics	5	إعارة	0.0	1
3	Statistics	4	بيع	440.0	1
4	Network	5	إعارة	0.0	1
5	Electronics	1		230.0	1
7	Discrete Mathematics	1		0.0	1
1	Fundamentals of OOP	6	بيع	230.0	1
2	Discrete mathematics	5	إعارة	0.0	1
3	Statistics	4	بيع	440.0	1
4	Network	5	إعارة	0.0	1
5	Electronics	1		230.0	1
7	Discrete Mathematics	1		0.0	1

تعديل معلومات الكتاب

رمز الكتاب:

عنوان الكتاب:

إصدار الكتاب:

☒ متوفر ☐ غير متوفر

المستوى: 3

☒ مجاني ☐ إعارة ☐ للبيع

السعر:

إلغاء تعديل حذف رجوع

✓ **At last:**



- ✓ **Using files:**
- ✓ We create file and use it to record the contacts (phone numbers and emails) for users.
- ✓ **Using audio:**
- ✓ We used warning sounds with warning dialogs.

DIFFICULTIES & HOW PROBLEMS WERE SOLVED:

There are many difficulties encountered us when we are preparing the project, including:

1. Database frame and connection, specially, that we were using eclipse.
2. Fetch the data into the table from database.
3. Fetch the data from table to text fields.
4. Sign in and make authorization.
5. Sharing codes between group member and make it synchronized.
6. We used **Github** in our team work.
7. We didn't use **Jframe** under certain circumstances, so we were working with totally new resource manager, and we were searching almost, every single step.

CHECKLIST OF REQUIREMENTS FULFILLED IN THE PROJECT:

Function /Application Aspect	Classes Management	Data export and Import	Professional appearance	Error handling	Data access tools and technique
KaffPlatform System (Main) class	✓	✓	✓	✓	✓
Get User Information	✓		✓	✓	✓
Admin log in the system	✓	✓	✓		✓
The user adds a book	✓	✓	✓	✓	✓
User buys a book	✓		✓		
User borrows a book	✓		✓		
Borrowers return a book	✓		✓		
Display books	✓		✓		✓
User updates his/her info	✓		✓		✓
The owner received his/her money	✓		✓		
Admin removes a book	✓		✓		
Display books owned by the user	✓		✓	✓	✓
Update Book information	✓		✓		✓
Display user's information	✓		✓	✓	✓

GENERAL COMMENTS:

- ✓ We are proud of the result we have of the project and how it's work.
- ✓ Although we are proud of the result and the complexity of the system and the result, we got it from OOP1, we complete the same project on OOP2 by using GUI and other skills and tools.
- ✓ The project helps us understand OOP1 and OOP2 by implementing it using GUI.
- ✓ We hope that one we offered useful application to use in the student activity unit.
- ✓ We have planes to develop this application to make it more efficient and improve performance.