**CS 311 - Project Proposal**

**Term 1 – 2018/2019**

**Project Proposal Form**

**Class Group #: 3 Project Group #: 3**

**Members of the Group:**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Name** | **ID** | **Signature** |
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**Proposal** of Kaff platform (A platform for exchanging books between CCSIT students).

**Description**: The system will allow its users to manage and browse the available books on the platform, as well as their old and new owners. The user can decide to borrow or buy the book based on the information of the book given by the owner.

**Logical analysis & Business:** The user will be able to add, delete, and update the books as well as adding the new owner information.

**Functions and classes:**

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| --- | --- | --- |
| **Classes** | **Data Fields** | **Functions** |
| Book class | bookID,  bookName,  bookLevel,  owner, price, state(selling/borrowing), availability | getName()  getPrice()  getOwner()  getLevel()  get State()  setPrice()  setName()  selLevel()  changeState() |
| Student class | studentName, academicNumber, studentLevel,  phoneNumber,  graduating or not | getName()  getID()  getLevel()  getPhone()  getGrad()  setName()  setID()  setLevel()  setPhone()  setGrad() |
| Database class | Date, archiveList, booksList | addBook()  archivedBook()  isBookAvailable()  getOwnerBook()  displayAll()  displayByName()  displayByLevel() |