1. **Java FX**

If you program applications in the Java language, you probably know more or less JavaFX. This is a framework that supports programming RIA applications, allowing to run on different devices.

**JavaFX is a library used in the Java programming language, used to develop and distribute desktop applications as well as Rich Internet Applications (RIA) applications running on a variety of devices together. Applications are built in JavaFX, which can run on multiple platforms including Web, Mobile and Desktop**.

JavaFX aims to replace swing in Java applications as a GUI framework. However, it offers more functionality than swing. Like Swing, JavaFX also provides its own components and is independent of the operating system. It is lightweight and hardware accelerated. It supports many different operating systems including Windows, Linux and Mac OS.

Specifically, JavaFX is a framework including graphics packages, tools to help programmers create, test, debug and deploy applications on a variety of devices such as: Mobile Phones, Desktop computers.

1. **Form design**

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| --- | --- | --- |
| **Form name** | **Description** | **GUI form** |
| **Login Admin** | For Admin login |  |
| **Admin Form** | Admin rights |  |

|  |  |  |
| --- | --- | --- |
| **Login** | For Librarian login |  |
| ***Sign up*** | Enter information for Readers |  |
| **Menu options** | Allow users to perform login and logout | **MenuOption** |
| **Search** | Looking for readers | **search** |
| **Borrowed And Return Books** | Borrow and return list management |  |
| **Retrister Borrowed** | Registration form to borrow a room |  |

|  |  |  |
| --- | --- | --- |
| **Login** | For user and login |  |
| **Change Password** | Change Password |  |
| **Borrow Documents** | List of readers to borrow books |  |
| **Returned Documents** | Book return time |  |
| **Renew Document** | You can renew when the loan period is running out |  |
| **Discussion Rom** | Discussion room loan list |  |
| **My Profile** | User details |  |
| **Feedback** | Give feedback to staff |  |