**Functional Requirements**

1. “Books For All” is a book lending shop that gives individuals to take books on a cost effective way
2. Users have to pay the rental up front when the book is requested. The email id of the user should be accepted
3. The database of the book to be maintained based on category. Master screen is not required.
4. The user will select the Category, Book and then enter the duration or the return date
5. Based on the number of the days the return date to be calculated, the charges will have to be shown to the user
6. The charges to be calculated as below
   1. 1 day no charges
   2. Up to 5 days Rs. 100
   3. More than 5 days Rs. 20 for each day
7. User should be able to save the application in the interim (not necessarily submit) and after filling all details should be able to Submit the file.
   1. Once the save option is clicked the data can be stored on the browser temporarily and the next time when the user visits the page, the details should be pre-filled
   2. Once the file is submitted after filling all the required information the same to be updated in the database
8. Book request number should the format BK-YYYY-MM-XXX (serial number)
9. If the user has taken a book, another book should not be issued. The next book can be issued only after the return date
10. All submitted requests should be listed as a simple report with the total amount collected for each date

**Technical Requirements:**

* **JS Full Stack** - Developers can use MERN or MEAN stack of their choice to develop the above case study

**(Or)**

* **.Net Full Stack** - Developers can use MVC .Net / Web API / MS-SQL to develop the above case study

**Deliverables:**

* Wireframe using Balsamiq
* Database Schema Design (Mongo / MS-SQL)
* Application Source Code (MEAN / MERN / DotNet)
* Code Check-in in GitHub
* Auto Deployment in Heroku or <https://freeasphosting.net/> or similar **(Optional Add On)**