**Functional Requirements**

1. Contoso Bank allows individual users to launch their loan application by providing basic information in bank’s website.
2. Users who wish to apply, visits the bank website, and can Launch a Loan Application form (Approx. 10 to 12 Fields of which 8-9 Fields should be mandatory and others optional) by providing personal, employment details and loan requirements
3. 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
4. Depending on the loan amount the percentage of loan interest should be different. Ex: Less than 20000 – 5% p.a., 200001 to 1 lac – 6.5% p.a., above 1 lac – 8 % p.a.
5. The simple interest for one year should be calculate and shown and saved to the database
6. A loan application confirmation # should be generated and displayed to the user after the submit
7. Loan Application number should the format LN-YYYY-MM-XXX (running serial number)
8. User can submit as many applications as they want – no limit
9. All submitted loan application should be listed as a simple report

**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)**