

MoneyMe Technical Challenge Mid - Senior C# .Net Software Engineer

REQUIRED SKILLS:

- OOP
- C#.Net
- ASP.Net Web API (.Net Framework/.Net Core)
- Automated Unit Testing
- SQL
- Great coding practice
- 1. Create an ASP.Net Web API(.Net Framework/.Net Core) that can accept the following request

```
{
    "AmountRequired":"5000",
    "Term":"2"
    "Title":"Mr."
    "FirstName":"John",
    "LastName": "doe",
    "DateOfBirth":"1900-01-01"
    "Mobile":"0422111333",
    "Email":"layton@flower.com.au"
}
```

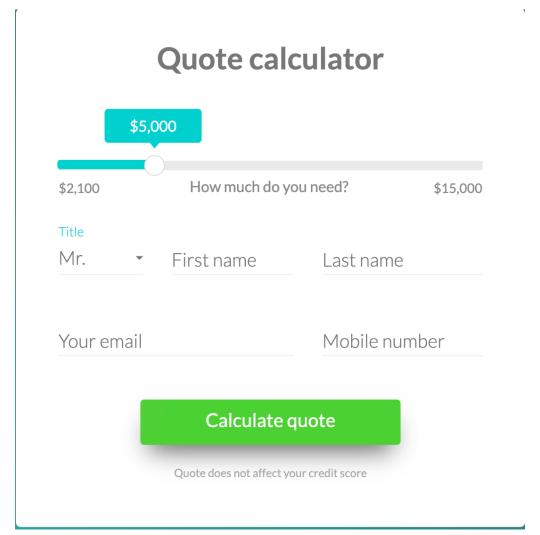
The API should save the data and then return a URL that will redirect the customer to a page like the one shown in step 2. In this scenario, the API is going to be consumed by a third party after which the customer is going to be redirected to the MoneyMe website.

- Saving the request with the same FirstName, LastName and DateOfBirth at least once should generate the same redirect URL.
- 2. Add a term slider beneath the amount slider. This should enable the customer to select the duration (in months) of the loan being requested.
 - Add 'Product' dropdownlist above the amount slider. Put 3 products: [ProductA, ProductB & ProductC].
 - o If 'ProductA' is selected, the loan is interest-free
 - o If 'ProductB' is selected, the first 2 months are interest-free. Make the duration to



- be 6 months minimum.
- o If 'ProductC' is selected, there's no interest-free.
- *** Please make your code as flexible and extensible as possible.

The fields should be pre-populated with the details submitted in step 1, please add the DateOfBirth in the UI.



- 3. After clicking calculate quote, it should redirect the user to a page like the one below. The repayment amount should be computed using a formula like the PMT excel function. Repayment frequency is monthly.
- Clicking edit should enable the customer to change their application details including loan amount and duration.



uote	Your
Edit	Your information
Wagtest Wagtest	Name
0477095252	Mobile
wagtesttest@test.com	Email
Edit	Finance details
\$5,000 over 24 months	Finance amount
\$56.15 Weekly	Repayments from
of an establishment fee of \$300.00, amount is based on the variables and suitability, and other important	Total repayments \$5,839.60, made us interest of \$539.60. The repayments selected, is subject to our assessment terms and co

4. Clicking Apply Now should run simple checks:

- a. The applicant must be at least 18 years old. Ex: if today is March 31, and applicant's DOB is March 30 and he/she is 17 years old today, the applicant could only be accepted tomorrow.
- b. Please create a list of blacklisted mobile numbers. The mobile number of the applicant must not be in the list for him/her to be accepted.
- c. Please create a list of blacklisted domain names. The email's domain must not be in the list for him/her to be accepted.

*After above 3 checks passed, the customer is redirected to a success page. It should also update the application with the repayment amount, establishment fee and total interest and save any changes done to the form.

^{**} All data must be saved to database.

^{**} You can add additional features that you think will make the website better and apply UX concepts that will make it easier for the user to use the website.