# Loans & Grants Search for Entrepreneur

We can develop a web site which will facilitate entrepreneur to search loans and grants options for their small business from Federal or state grants and loans options. Small Business Administration web site provides a Web APi for developers to search and retrieve data from their database.

Following SBA web site provides details about the APi exposed by them with technical details:

<http://api.sba.gov/doc/loans_grants.html>

## Tools and Technology

* Bootstrap (UI Framework) [ <https://bootswatch.com/cerulean/> ]
* HTML 5
* ASP.NET
* JavaScript / jQuery
* AngularJS

We should produce following documents/diagram

* Requirement Specifications (Document)
* Design Document
* Technology Stack (Diagram)
* Test Cases (Diagram)

## Specifications

### Home Page

This page will be starting point for any user, it could have two version one for the users who first time visits and 2nd for the returning users.

### Main Navigation

Following will be the options available in navigation bar on all the web pages.

* Home
* Advance Search
* My History
* About & Contact Us

### Home Page

**First time access:**

When a new user will first time access the home page he/she will be presented with a search box and search button. After entering the keyword a search will be made to SBA provided APi, the results will be returned and display on the screen.

The search made will be saved in local storage, to maintain user search history. There will be no expire date set on history storage in local storage.

**Returning user**:

When a user will return to home page, he will have same search box and search button, and with the last search made on the web site.

## Advance Search Link Page:

Advance search page will provide more options to refine the search such as govt. type, loan type, industry, state etc. Making the search form this page will return same type of listing like home page, and will maintain the last searched history in local storage.

## Search Result Listing

The page will provide list of returned result with a summary, and a hyperlink to see the details on a separate page (Loan Details page).

## My History

This page will show all search made without the results, but when clicked on a search result it will re-run the search and bring fresh results.

## About and Contact Us

A form based page to accept end users queries.

**Glossary**

**Web APi**: Read about it form following links

<http://www.dotnet-tricks.com/Tutorial/webapi/VG9K040413-What-is-Web-API-and-why-to-use-it-?.html>

**SBA**: Small Business Administration

**Bootstrap** : A modern UX framework which uses HTML5, CSS and Javascript

ASP.NET: Web Programming Language (by Microsoft)