Personalized Search Engine

Application is developed in ASP.NET MVC4. And we have used Entity Framework.

Platform

Application is windows dependent.

Tools Required

Visual studio version 13 or 15

Details:

Open PersonalizedSearchEngine (visual studio file), then press ctrl + F5 and application will start. Logged in user can avail all functionalities of the application whereas normal user can only do simple searching process.

Modules:

- **Fetch results from API's**
  First of all user's search query will be sent to two API's, bing and google, these search engines will return results against entered query.
- **Store results in Results class**
  Results returned from API's will be stored in a class named result under "PersonalizedSearchEngine.Common" library.
- **Most visited links**
  Application keeps track of user's click streamings and will show him most visited links against any query, MostVisitedLink function is controlling this module in HistoryManager class.
- **Personal ranking**
  User can do personal ranking, PersonalRanking function is controlling this module in HistoryManager class.
- **Discard a link**
  User can discard any link that is not providing him good results, this module is being controlled by AddDiscardLinks function in HistoryManager class.
- **Manage profile**
  By clicking on manage profile, user can manage his personal information and his history, personally ranked results and discarded links as well.
- **History**
  User can view his history anywhere anytime in the world moreover he can delete it too.
- **Interest based search results**
  This main feature is performed by using query expansion approach. And this is performed in testController.