

CSC232, Spring 2020

**PRODUCT BACKLOG DOCUMENT
FOR SEARCHX**

Prepared by Team E



**College of Engineering and Computer Science
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Date: 05/14/2020

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1.0 INTRODUCTION.

1.1 Team Information.

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1.2 Project Description.

The Internet has become a pivotal part of daily life today. Data on the Internet has increased at an alarming rate which includes 3.5 billion queries per day due to an exponential increase in the number of users and the data posted. Therefore, searching any content on the Internet is a tedious task, and improvisation is the need for the day. So, we intend to improvise user experience over the internet by taking into consideration, interests, and preferences of the user. Appropriate keywords used while querying a search engine affects the quality of the search results retrieved.

We intend to develop an interactive search engine that internally builds search queries based on responses received from the users. Moreover, it also drills down the search by asking about their preferences for the search results making it more concise for the user to search over the internet. We aim to enhance the user experience by eliminating the need for users to search for different websites for different types of content. This will minimize the time required by the user to find useful and relevant content they desire. Thus, the interactive search engine will be a one-stop-shop for all the information from the web.

2. PRODUCT BACKLOG

Feature	Story Point (hours)	Priority	User Story	Fit Criteria
Guest User Search	2	High	As a guest user I should be able to view an option to search.	Guest user should see the option to search within 2 seconds after he lands on the search page.
	2	High	As a guest user I should be able to Enter search query.	The guest user should be able to enter his search queries in less than 1 seconds for 90% of the time and for the reaming it might take more than 2 seconds.
	2	High	As a guest user I should be able to select preference for search results	The guest user can select his preferences 98% of the time if he searches the query and for the remining they might choose recommended query.
	7	High	As a guest user I should be able to view the results for the searched query.	The guest user should be able to view the results for any search engines in the single view within less than 2 seconds from the original URL.
	5	Medium	As a guest user I should be able to see results grouped as per preferences.	The guest user should be able to see the search results grouped together 99% of the time while on the other hand it might be grouped in different search windows
	5	Low	As a guest user I should be able to view multiple search results in a single view.	The search results will be displayed in single view 99% of the time.
	4	Medium	As a guest user I should be able to	Guest user should be able to provide feedback

<i>Guest User Feedback</i>			<i>provide feedback for the search result.</i>	<i>for his search results 90% of time while the others ignore giving it.</i>
	5	Low	<i>As a guest user I should be able to provide feedback for entire search experience.</i>	The guest user should be able to provide feedback by considering the entire SearchX 85% of the time.
<i>Guest User Signup Feature</i>	2	High	<i>As a guest user I should be able to view signup option.</i>	The guest user should be able to open the sign up page once he clicks within 3 seconds for 90% of the user.
	3	High	<i>As a guest user I should be able to provide the required details to sign up.</i>	Guest User should be able to provide credentials for sign up 75% of time for within 10 seconds.
	2	High	<i>As a guest user, I should be alerted for providing invalid details.</i>	The product should send an alert 97% of time when any invalid data is provided by guest user.
	2	Medium	<i>As a guest user I should be able to select my interests to view search results.</i>	The product should be able to capture 75% of the interests of the guest user.
<i>Registered User Login Feature</i>	2	High	<i>As a registered user I should be able to view the login option.</i>	Registered user should be able to view login option within 3 seconds after he visits SearchX.
	3	High	<i>As a registered user I should be able to provide my credentials to login.</i>	The product should be able to capture correct credentials 98% of time when a registered user tries to login.
	4	Medium	<i>As a registered user if I forget my Password I should be able to reset it through registered email.</i>	Registered user should be able receive reset mail for password recovery within 3 seconds after he requests it.
	2	High	<i>As a registered user I should be able to</i>	Registered user should be able to see search

			<i>view search box on login.</i>	box within 1seconds after he logins.
<i>Registered User Search Feature</i>	2	High	<i>As a registered user I should be able to view an option to search.</i>	Registered user should be able to view search option within 1 seconds after he lands on the search page.
	2	High	<i>As a registered user I should be able to Enter search query.</i>	The product should able to capture accurate search query from registered user 98% time.
	2	High	<i>As a registered user I should be able to select preference for search results</i>	The registered user should be able to select preference for search results within 1 seconds.
	7	High	<i>As a registered user I should be able to see results grouped as per preferences.</i>	<i>The registered user should be able to view the results for any search engines in the single view within less than 2 seconds from the original URL.</i>
	5	Medium	<i>As a registered user I should be able to view multiple search results in a single view.</i>	<i>The search results will be displayed in single view 99% of the time.</i>
	4	Low	<i>As a registered user I should be able to bookmark my favorite search results</i>	78% of the registered user should bookmark his favorite search results.
	2	Low	<i>As a registered user I should be able to like my favorite search results.</i>	82 % of the registered user should like his favorite search result.
<i>Register User Feedback Feature</i>	5	Medium	<i>As a registered user I should be able to provide feedback for a search result</i>	84% of the registered users should provide the feedback for search results
	4	Low	<i>As a registered user I should be able to provide feedback for entire search experience.</i>	87% of the registered users should provide feedback for the search experience.
<i>Registered user</i>	10	High	<i>As a registered user I should be able to</i>	70% of registered users should be able to see

<i>search Recommendation feature.</i>			<i>see recommended search results.</i>	accurate search results based on there profile
<i>Registered user Query Recommendation feature.</i>	10	High	<i>As a registered user I should be able to see recommended search queries.</i>	76% of registered users should be able to get accurate recommendations for the search queries.
Total Story Pts.	105			