

## Use Cases

Use Case UC-1	Name: Upload Information
Related Requirements	BREQ-#2, BREQ-#3, BREQ-#5, BREQ-#8
Initiating Actor:	Providers/Doctors
Actor's Goal:	Upload information about their practices
Participating Actors:	Results Page, Google Maps, Search Engine
Preconditions:	The provider is able to upload their information
Postconditions:	<p>The information will appear in the results page when the customer/user searches for a provider enrolled in HealthCredit</p> <p>The information can be filtered out if needed.</p>
Flow of Events for Main Success Scenario:	<p>→ 1.) The provider is successfully able to upload their information.</p> <p>← 2.)The information can be filtered according to the user's search settings</p> <p>← 3.) The system can now display the information on the results page.</p> <p>← 4.) The system can provide directions to the provider's location.</p>
Flow of Events for Extensions (Alternate Scenarios):	<p>→ 1.) The provider's upload fails for some unexpected reason(ie power outage, the server goes down in the middle of the upload, etc)</p> <p style="padding-left: 40px;">→ 1a.) The user will be offered to try again if the server is still up</p> <p style="padding-left: 40px;">→ 1b.) The provider will have to try again at a later time if the server is down or their power is out.</p> <p>← 2.)The information can be filtered according to the user's search settings</p>

	<p>← 3.) The system can now display the information on the results page.</p> <p>← 4.) The system can provide directions to the provider's location.</p>

Use Case UC-2	Name: Search by location
Related Requirements	BREQ-#2, BREQ-#3, BREQ-#5, BREQ-#6
Initiating Actor:	User
Actor's Goal:	Search data by location
Participating Actors:	Search Engine, Results Page
Preconditions:	<p>There is data of various providers already uploaded</p> <p>There would be drop down menus for the zip code, city, and state</p>
Postconditions:	The results will be based on the location of the providers.
Flow of Events for Main Success Scenario:	<p>→ 1.) The user searches based on zip code, city, or state</p> <p>← 2.)The search engine gathers the respective results</p> <p>← 3.) The result page shows the results based on which provider is the closest in the location.</p>
Flow of Events for Extensions (Alternate Scenarios):	<p>→ 1.) The user doesn't search by location</p> <p>← 2.)The search engine gathers the results</p> <p>← 2a.)The search engine gathers the</p>

	<p>respective results based on any other specifiers</p> <p>← 2b.)The search engine gathers the respective results based on popularity if there are no other specifiers</p> <p>← 3.) The result page shows the results</p> <p>← 3a.)The results are based on any other specifiers</p> <p>← 3b.)The results are based on popularity if there are no other specifiers</p>
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Use Case UC-3	Name: Search by Specialty
Related Requirements	BREQ-#2, BREQ-#3, BREQ-#6
Initiating Actor:	User
Actor's Goal:	Search data by specialty
Participating Actors:	Search Engine, Results Page
Preconditions:	<p>There is data of various providers already uploaded</p> <p>There would be drop down menus for the specialty (ie dentist, podiatrist, pediatrician, etc)</p>
Postconditions:	The results will be based on the specialty of the providers.

Flow of Events for Main Success Scenario:	<p>→ 1.) The user searches based on specialty</p> <p>← 2.)The search engine gathers the respective results</p> <p>← 3.) The result page shows the results based on which provider is the specified speciality</p>
Flow of Events for Extensions (Alternate Scenarios):	<p>→ 1.) The user doesn't search by specialty</p> <p>← 2.)The search engine gathers the results</p> <p>    ← 2a.)The search engine gathers the respective results based on any other specifiers</p> <p>    ← 2b.)The search engine gathers the respective results based on popularity if there are no other specifiers</p> <p>← 3.) The result page shows the results</p> <p>    ← 3a.)The results are based on any other specifiers</p> <p>    ← 3b.)The results are based on popularity if there are no other specifiers</p>

Use Case UC-4	Name: Set Max Distance
Related Requirements	BREQ-#2, BREQ-#3, BREQ-#6
Initiating Actor:	User
Actor's Goal:	Set a maximum distance
Participating Actors:	Search Engine, Results Page

Preconditions:	<p>There is data of various providers already uploaded</p> <p>There is a city or zip code specified</p> <p>There would be drop down menus for the distance for every five miles up to fifty miles.</p>
Postconditions:	The results will be filtered by the maximum distance.
Flow of Events for Main Success Scenario:	<p>→ 1.) The user searches based on location and has a specified distance</p> <p>← 2.)The search engine gathers the respective results</p> <p>← 3.) The result page shows the results based on which provider is the closest in the location, and within the max distance.</p>
Flow of Events for Extensions (Alternate Scenarios):	<p>→ 1.) The user doesn't set a distance</p> <p>← 2.)The search engine gathers the results</p> <p>    ← 2a.) Have Max distance be set to 50 by default.</p> <p>← 3.) The result page shows the results based on which provider is the closest in the location, and within the max distance.</p>

Use Case UC-5	Name: Search by Provider
Related Requirements	BREQ-#2, BREQ-#3, BREQ-#5 BREQ-#6
Initiating Actor:	User
Actor's Goal:	Search data by Providers
Participating Actors:	Search Engine, Results Page

Preconditions:	There is data of various providers already uploaded
Postconditions:	The results will be based on the speciality of the providers.
Flow of Events for Main Success Scenario:	<p>→ 1.) The user searches based on provider</p> <p>← 2.)The search engine gathers the respective results</p> <p>← 3.) The result page shows the results based on the name of the provider.</p>
Flow of Events for Extensions (Alternate Scenarios):	<p>Scenario 1</p> <p>→ 1.) The user doesn't search by provider</p> <p>← 2.)The search engine gathers the results</p> <p>    ← 2a.)The search engine gathers the respective results based on any other specifiers</p> <p>    ← 2b.)The search engine gathers the respective results based on popularity if there are no other specifiers</p> <p>← 3.) The result page shows the results</p> <p>    ← 3a.)The results are based on any other specifiers</p> <p>    ← 3b.)The results are based on popularity if there are no other specifiers</p> <p>Scenario 2</p> <p>→ 1.) The user makes a typo in the provider's name</p> <p>← 2.)The search engine gathers the</p>

	<p>results</p> <p>← 3.) The result page will show nothing if there are no results matching the name, and throw an error message.</p>
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Use Case UC-6	Name: Get Results
Related Requirements	BREQ-#3, BREQ-#6
Initiating Actor:	User
Actor's Goal:	To get the results from their search
Participating Actors:	Results Page
Preconditions:	The user has searched for a provider.
Postconditions:	The results will be gathered based on search conditions
Flow of Events for Main Success Scenario:	<p>→ 1.) The user searches for providers</p> <p>← 2.)The search engine gathers the results based on specifiers.</p> <p>← 3.) The result page shows the results based on the specifiers or default results if there are no specifiers</p>
Flow of Events for Extensions (Alternate Scenarios):	

Use Case UC-7	Name:Sort Results Alphabetically
Related Requirements	BREQ-#2, BREQ-#3
Initiating Actor:	User
Actor's Goal:	Sort the results alphabetically
Participating Actors:	Results Page

Preconditions:	There are already results
Postconditions:	The results on the results page are sorted alphabetically
Flow of Events for Main Success Scenario:	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user sorts the results Alphabetically by last name</p> <p>← 3.) The result page updates and shows the results listed alphabetically, while still adhering to the specifiers.</p>
Flow of Events for Extensions (Alternate Scenarios):	

Use Case UC-8	Name: Sort by Distance
Related Requirements	BREQ-#2, BREQ-#3
Initiating Actor:	User
Actor's Goal:	Sort the results by distance
Participating Actors:	Results Page
Preconditions:	<p>There are already results</p> <p>There is a max distance</p>
Postconditions:	The results on the results page are sorted by distance in order of how close they are to the user.



Flow of Events for Main Success Scenario:	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user sorts the results by distance closest to them.</p> <p>← 3.) The result page updates and shows the results listed by distance, while still adhering to the specifiers.</p>
Flow of Events for Extensions (Alternate Scenarios):	

Use Case UC-9	Name: Display Results Page
Related Requirements	BREQ-#3, BREQ-#5
Initiating Actor:	User
Actor's Goal:	To see the results displayed.
Participating Actors:	Results Page
Preconditions:	There are already results The results are able to be sorted
Postconditions:	The user can see and access the results page
Flow of Events for Main Success Scenario:	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p>

Flow of Events for Extensions (Alternate Scenarios):	<p>← 1.) The result page doesn't show any results due to a possible typo or other unforeseen error</p> <p>→ 2.) The user searches again this time removing any typos.</p> <p>← 3.) The result page shows the results based on the specifiers or default results if there are no specifiers</p>
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Use Case UC-10	Name: Display Print Friendly Button
Related Requirements	BREQ-#3
Initiating Actor:	User
Actor's Goal:	When pressing the button it creates a printable pdf
Participating Actors:	Results Page
Preconditions:	The results page is accessible
Postconditions:	The user can save a pdf or use the pdf format to print out the results.
Flow of Events for Main Success Scenario:	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user clicks on the print friendly button.</p> <p>← 3.) The page opens a new tab in which a pdf of the results page is available to be saved or printed.</p>

Flow of Events for Extensions (Alternate Scenarios):	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user clicks on the print friendly button but the pdf doesn't appear.</p> <p>→ 3.) The user refreshes the page.</p> <p>→ 4.) The user clicks on the print friendly button again</p> <p>← 5.) The page opens a new tab in which a pdf of the results page is available to be saved or printed.</p>
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Use Case UC-11	Name: Re-Sort Results
Related Requirements	BREQ-#3
Initiating Actor:	User
Actor's Goal:	To re-sort the results
Participating Actors:	Results Page
Preconditions:	The user has access to the results page
Postconditions:	The user can re-sort the results either alphabetically or by distance without needing to search again.
Flow of Events for Main Success Scenario:	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user sorts the results by distance closest to them or alphabetically by last name.</p> <p>← 3.) The result page updates and shows the results listed by distance or alphabetically, while still adhering to the specifiers.</p>

Flow of Events for Extensions (Alternate Scenarios):	

Use Case UC-12	Name: Display Map
Related Requirements	BREQ-#3, BREQ-#8
Initiating Actor:	User
Actor's Goal:	To have a map displayed showing the directions of the provider.
Participating Actors:	Results Page, Google Maps
Preconditions:	The user has access to the results page
Postconditions:	The user will get directions from their address to the provider via google maps.
Flow of Events for Main Success Scenario:	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user selects a provider and clicks the directions button</p> <p>→ 3.) The user inputs their address</p> <p>← 4.) Google maps shows the directions to get to the provider from the address.</p>

Flow of Events for Extensions (Alternate Scenarios):	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user selects a provider and clicks the directions button</p> <p>→ 3.) The user doesn't input their address</p> <p>← 4.) Google maps shows the provider on the map and the user can still get directions.</p>
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Use Case UC-13	Name: Display List View
Related Requirements	BREQ-#3
Initiating Actor:	User
Actor's Goal:	Have the results be displayed in list view
Participating Actors:	Results Page
Preconditions:	The user has access to the results page
Postconditions:	The results are displayed in list view
Flow of Events for Main Success Scenario:	<p>← 1.) The result page shows the results based on the specifiers or default results if there are no specifiers</p> <p>→ 2.) The user selects a provider and clicks the list view button</p> <p>← 3.) The result page updates and shows the results in list view, with the specifications and sorting still intact.</p>

Flow of Events for Extensions (Alternate Scenarios):