**Use Case 5: Filter what is being searched for**

Description: User has typed in a query and wants to filter the results for the search

**Primary Actor**

A researcher or programmer interested in a GitHub repository

**Stakeholders**

The searcher ­- Needs accurate, fast results  
 The people the searcher is searching on behalf of (ex: their team)

**Preconditions**

The user has the URL of a Github repository of interest and a query in mind

**Success Guarantee**

Results are filtered based on the options (filters) the user selected

**Main Success Scenario**

1. The user inputs the URL of the desired GitHub repository

2. The user types in the query

3. The user selects filters to show results by (ex: show only commits from the past week or by X contributor)

4. After clicking submit, the system finds all results for the query matching both the keyword and filters.

5. The system displays these results to the user

**Extensions**

4a. The repository doesn’t exist:  
 1 . The user inputs the URL of the desired Github repository  
 2. The user then inputs a query.  
 3. After clicking submit, the system attempts to search the repository, but fails due to the repository not being found.  
 4. The system generates an error and displays it to the user

4b. No results were found:  
 1 . The user inputs the url of the desired Github repository  
 2. The user then inputs a query  
 3. After clicking submit, the system attempts to search the repository  
 but does not find any results  
 4. The system generates an error and displays it to the user

4a. The system suggest alternate search filters based on what it did find

**Special Requirements:**

-Results must be returned quickly and there should be a variety of relevant filters

-Filters should not make the screen looked cluttered and difficult for mobile browser users

**Technology and Data Variation List**

3a. Filtering may be done in a few ways, but chiefly either by filtering as it searches or first finding all the textual matches, then filtering

3a. Filtering may be done in JavaScript, PHP, or other applicable languages

4a. Searching may use JavaScript, PHP, or other applicable languages.  
­ 4b. Searching may be done for a query string or keywords

**Frequency of Occurrence**

**Use Case 6: Filter what is being searched for**

Enable/disable suggested search terms based on history