

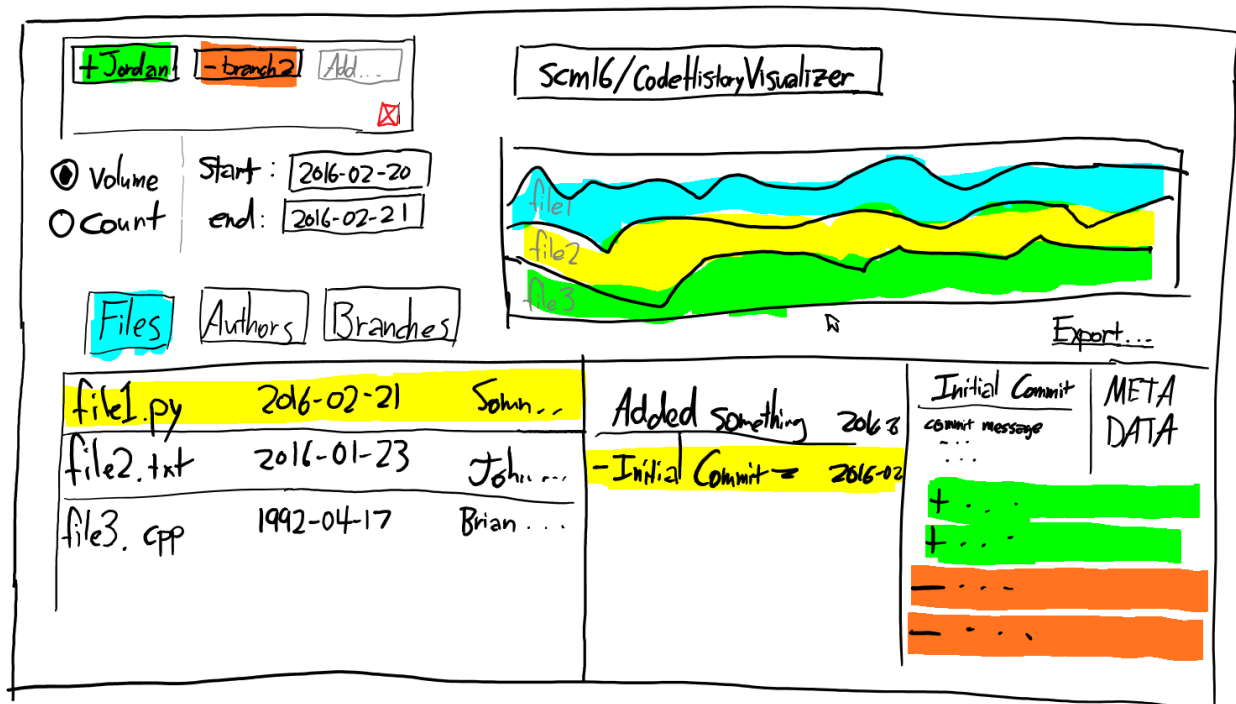
Assignment 2- High-Level Design

System Sequence Diagrams

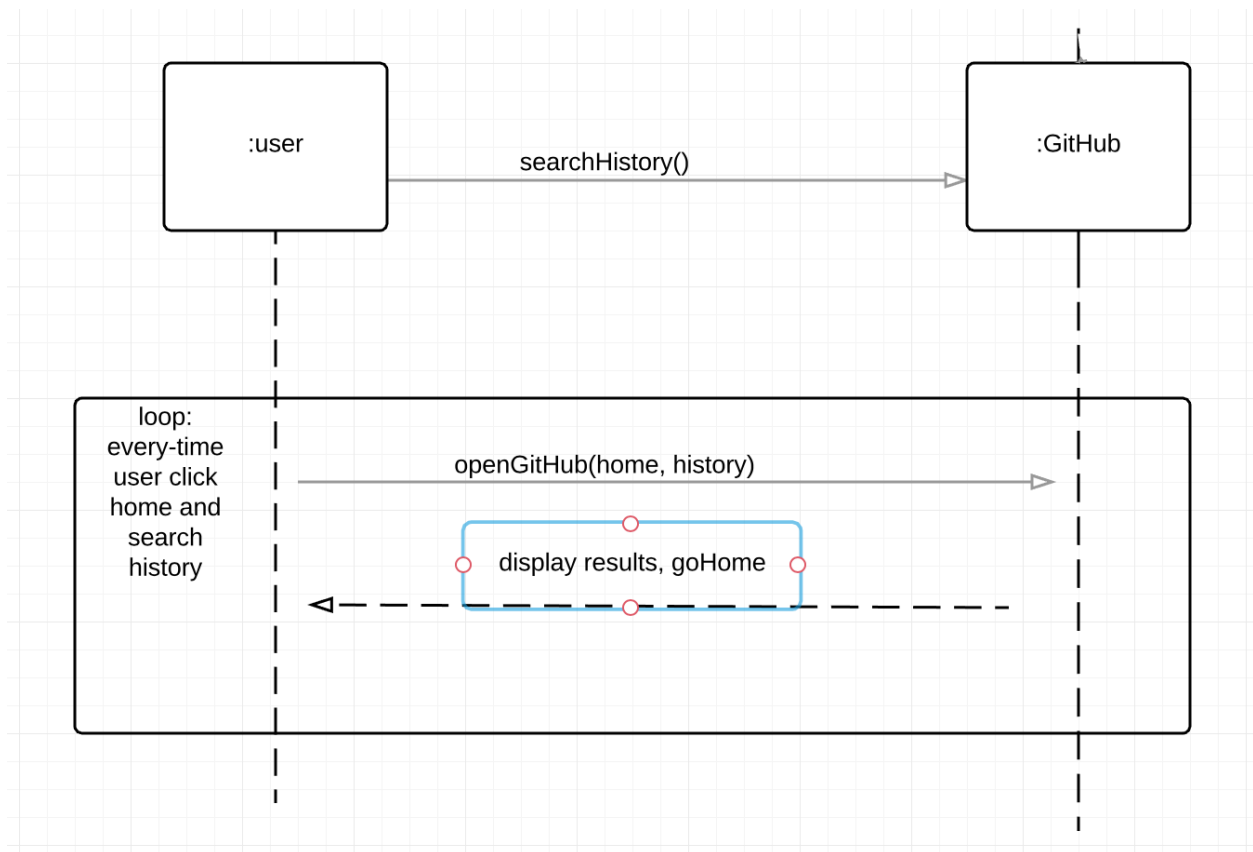
By: John McDouall, Somn Kafley, Jordan Kuhn and Steffen



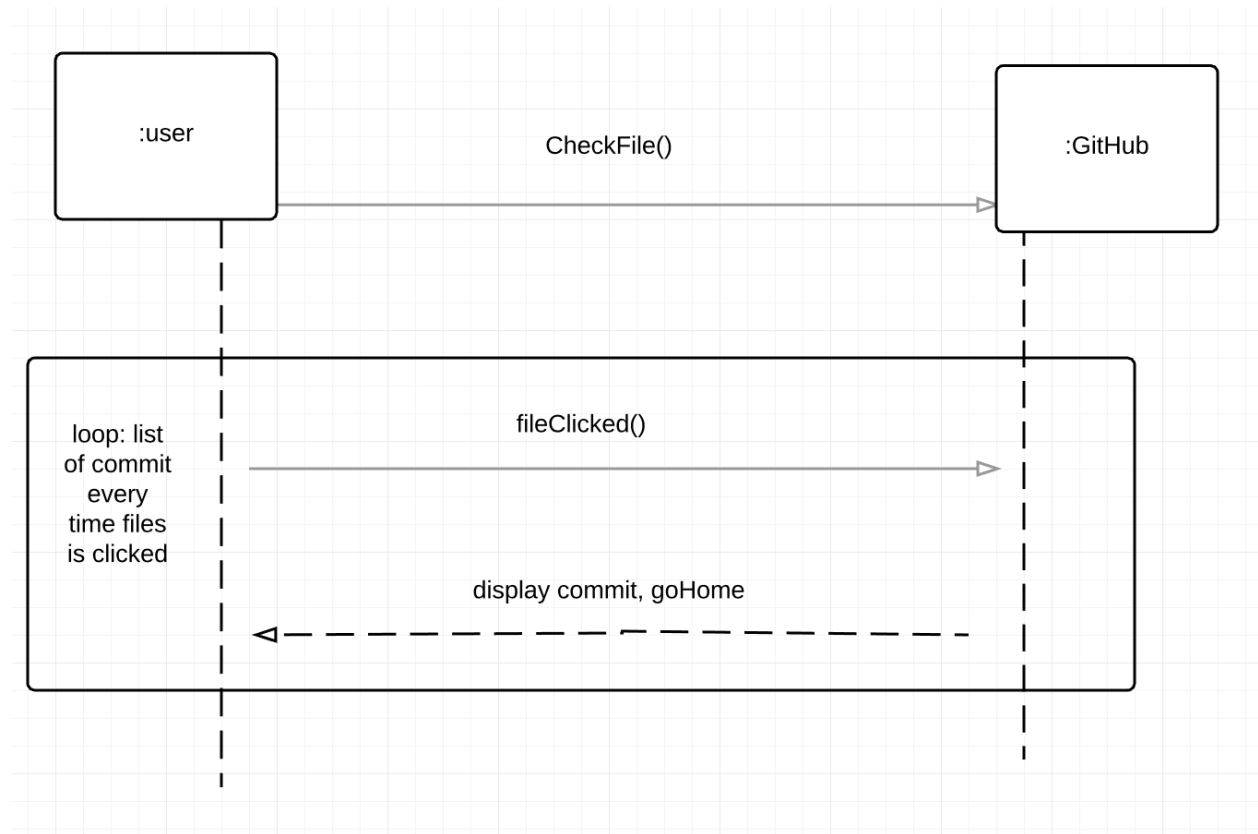
System Sequence Diagram - Assignment 2



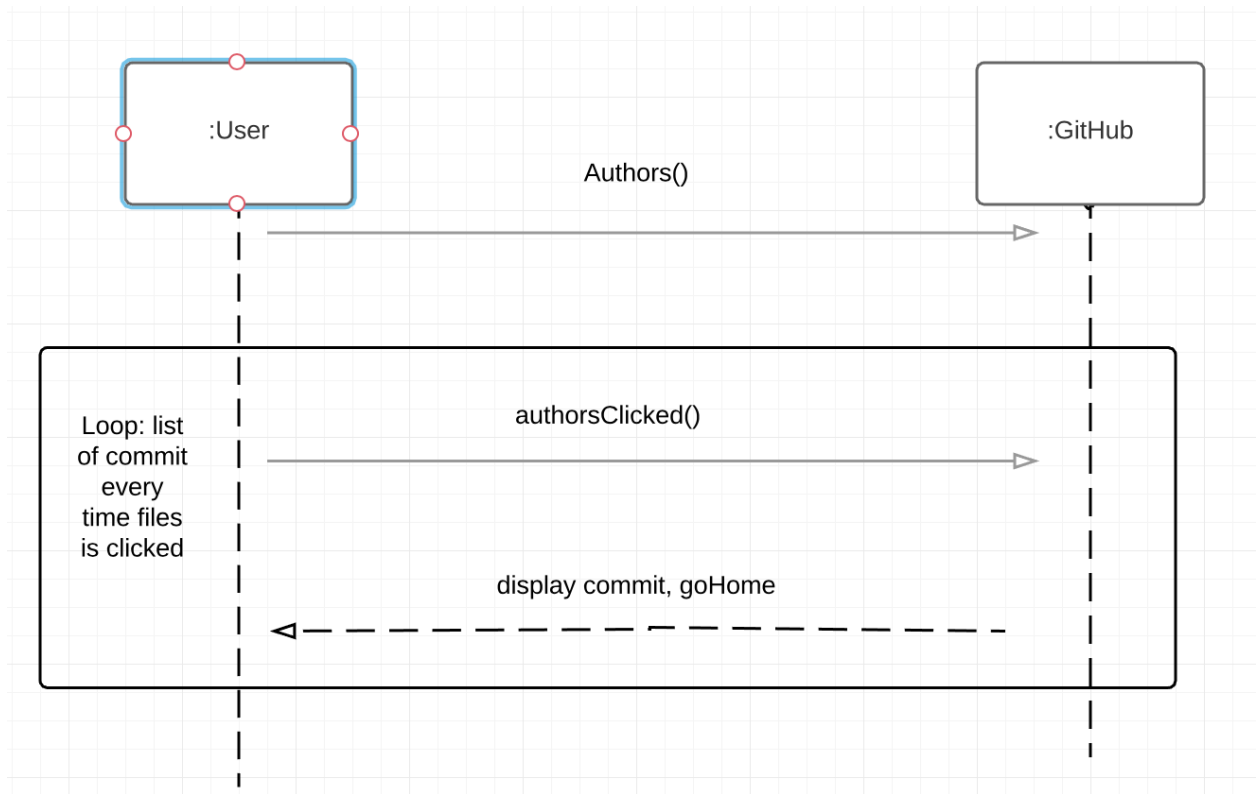
Use Case 1: User searches for a public repository (top right)



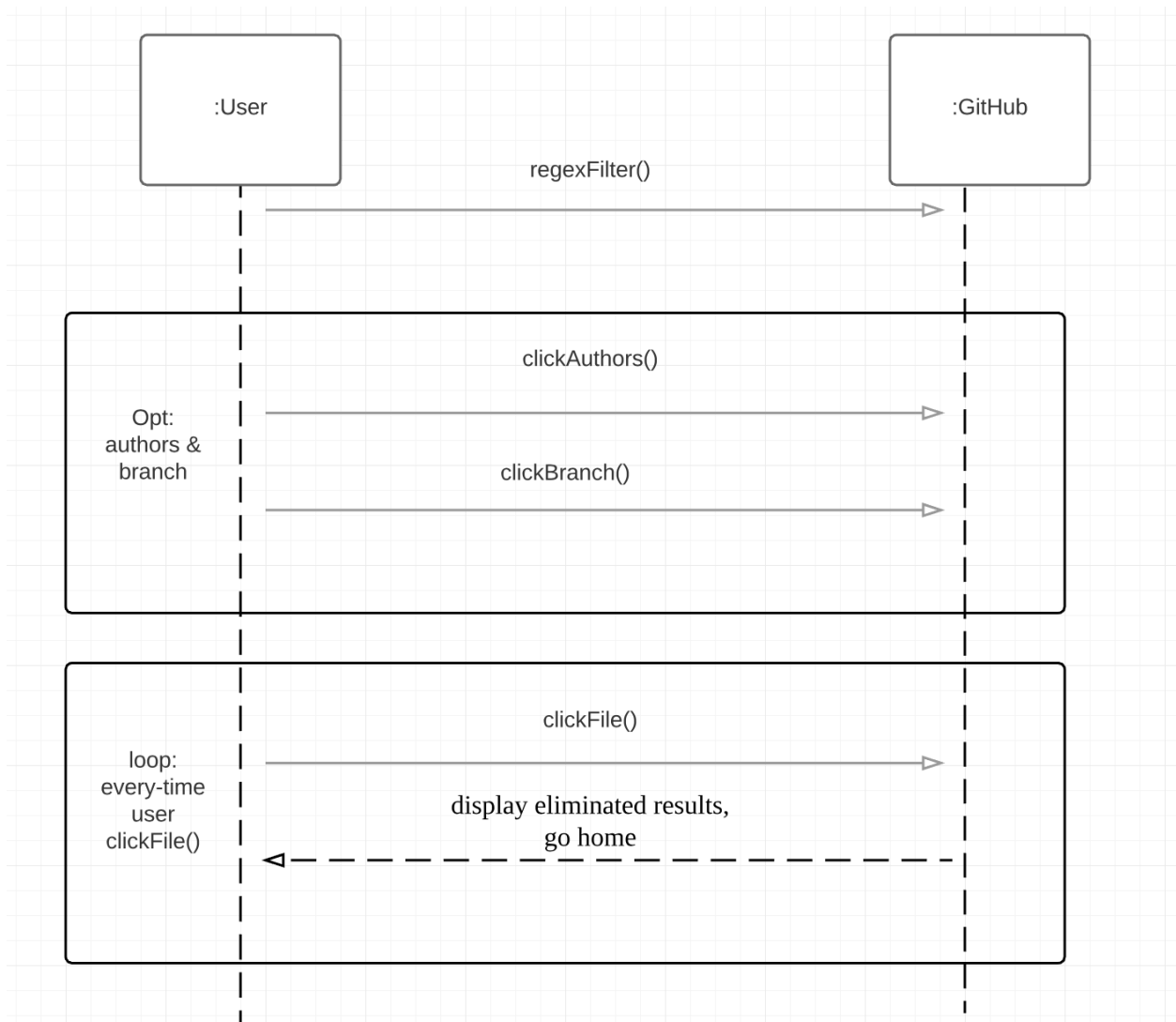
Use Case 2: Clicking on a repository, user gets lists of files and commits, and a graph of commits by file



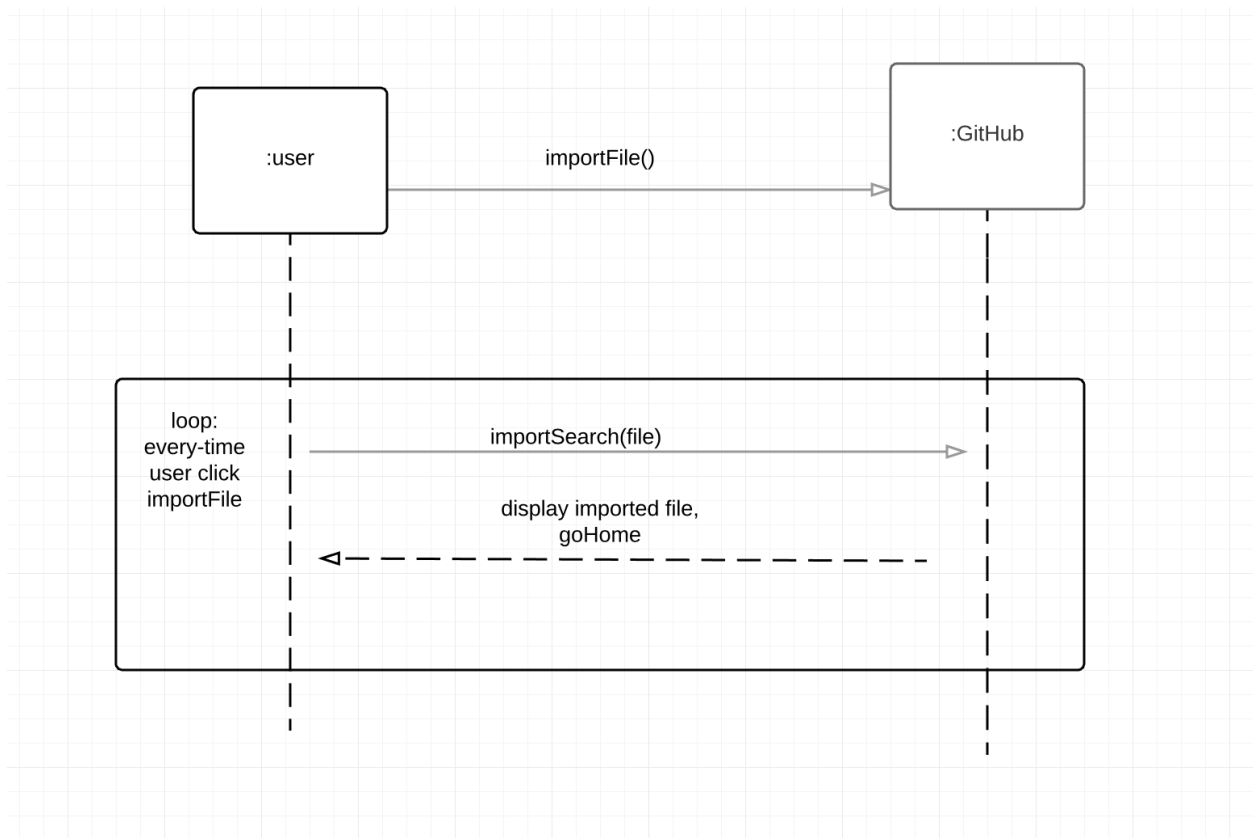
Use Case 3: Once in a repository, user changes what parameters the commits are grouped by (authors or branches)



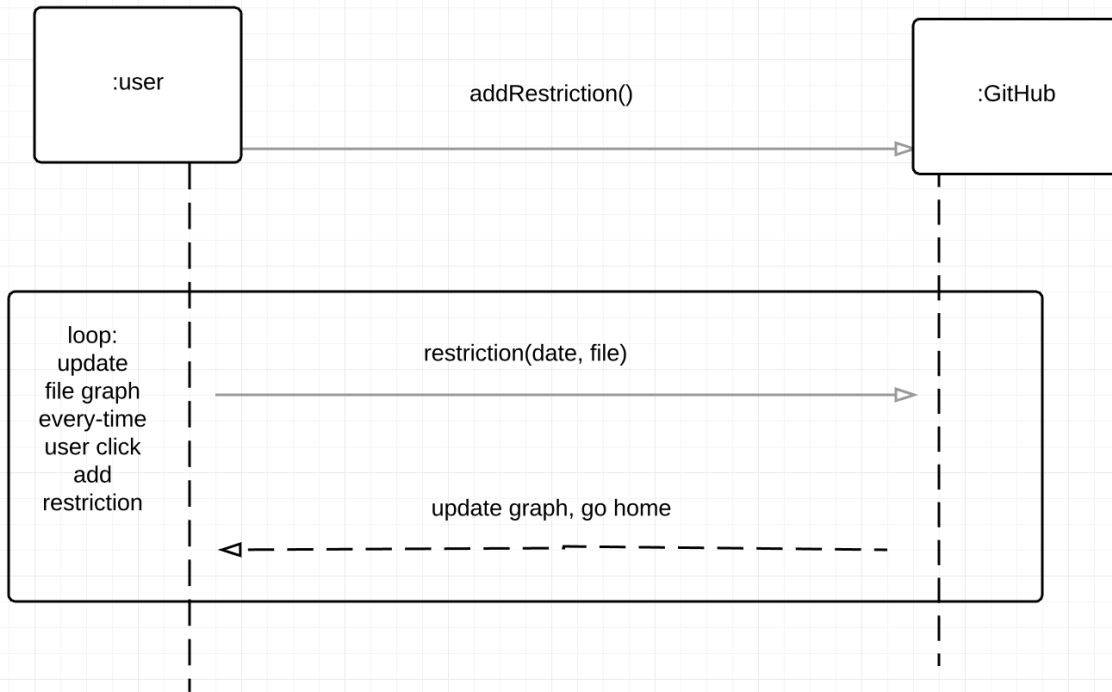
Use Case 4: User adds a regex filter for file, author, or branch, eliminating results



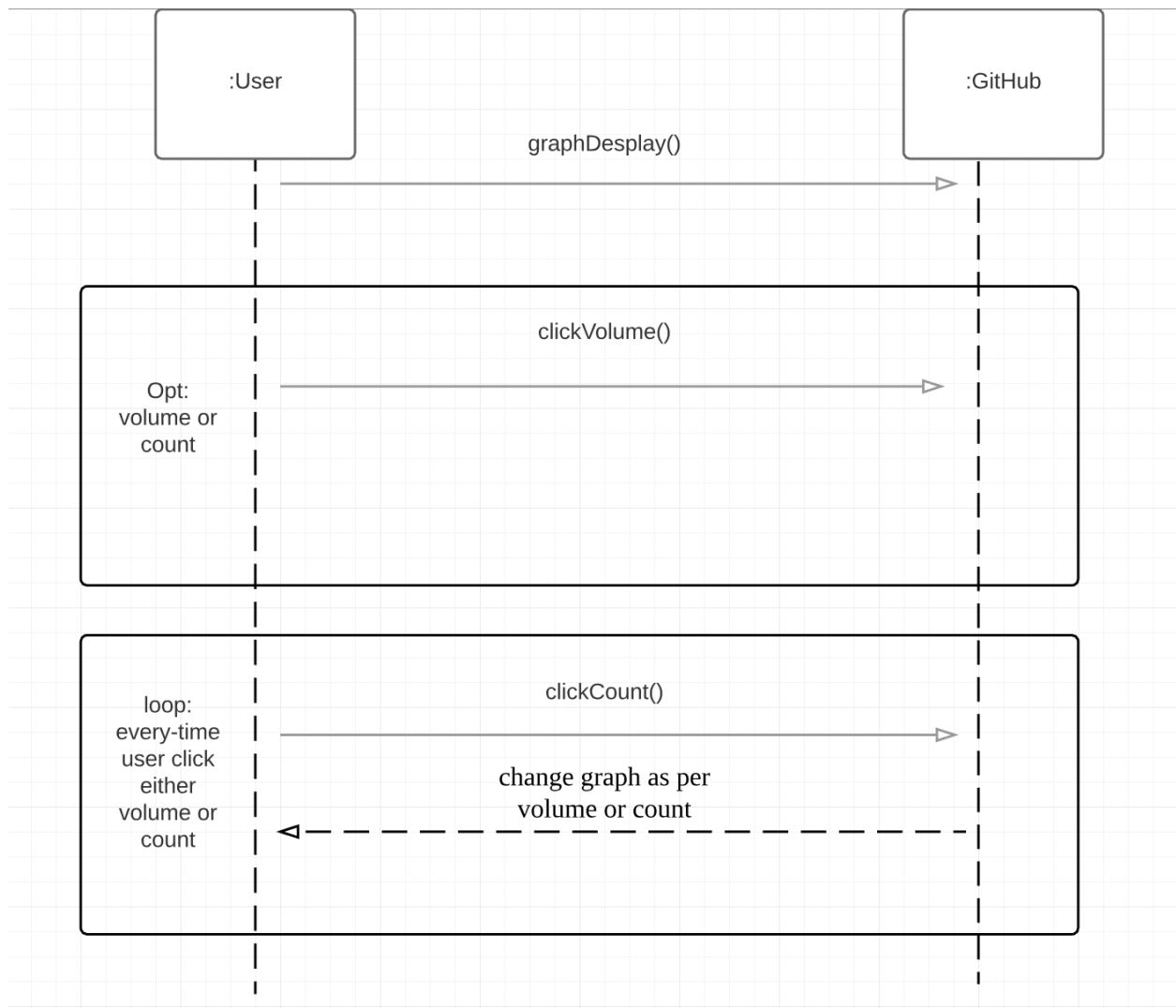
Use Case 5: User imports a saved history by uploading a file



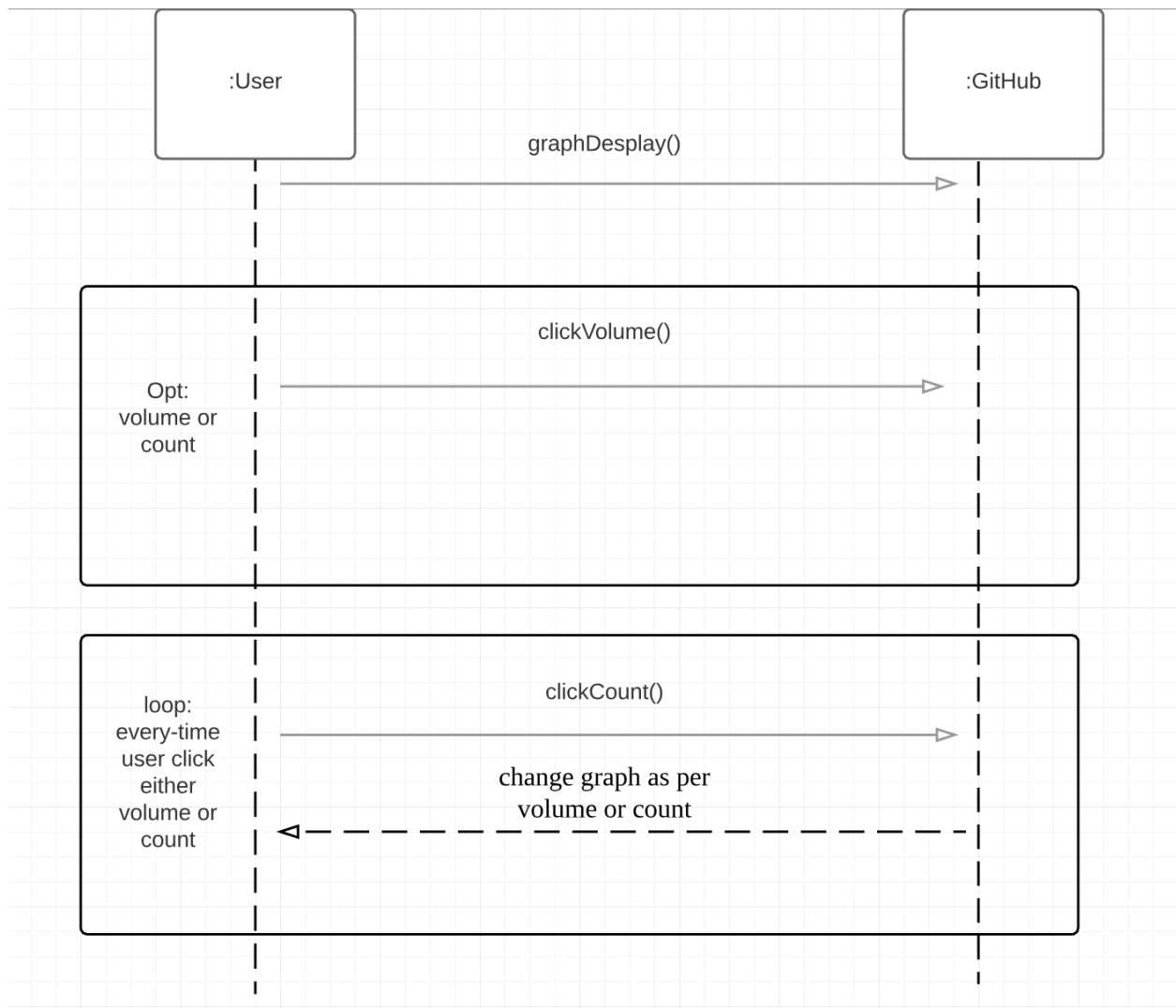
Use Case 6: User adds a date restriction, eliminating results and confining graph



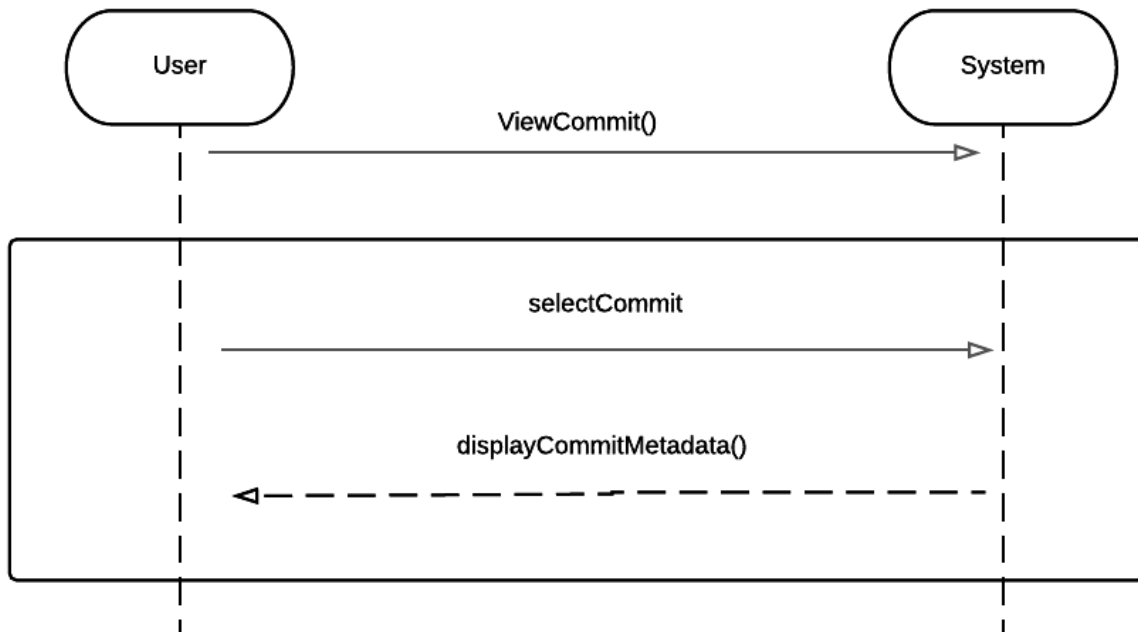
Use Case 7: User selects “volume” or “count” to change the appearance of the F/A/B graph



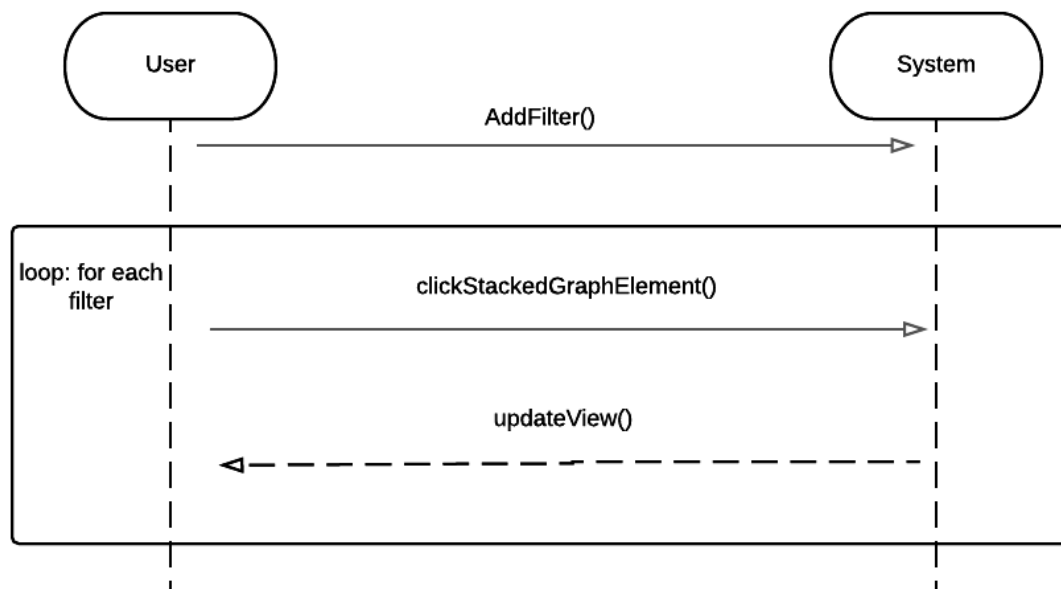
Use Case 8: User selects a file/author/branch from the list (lower left), adding/removing a filter for it



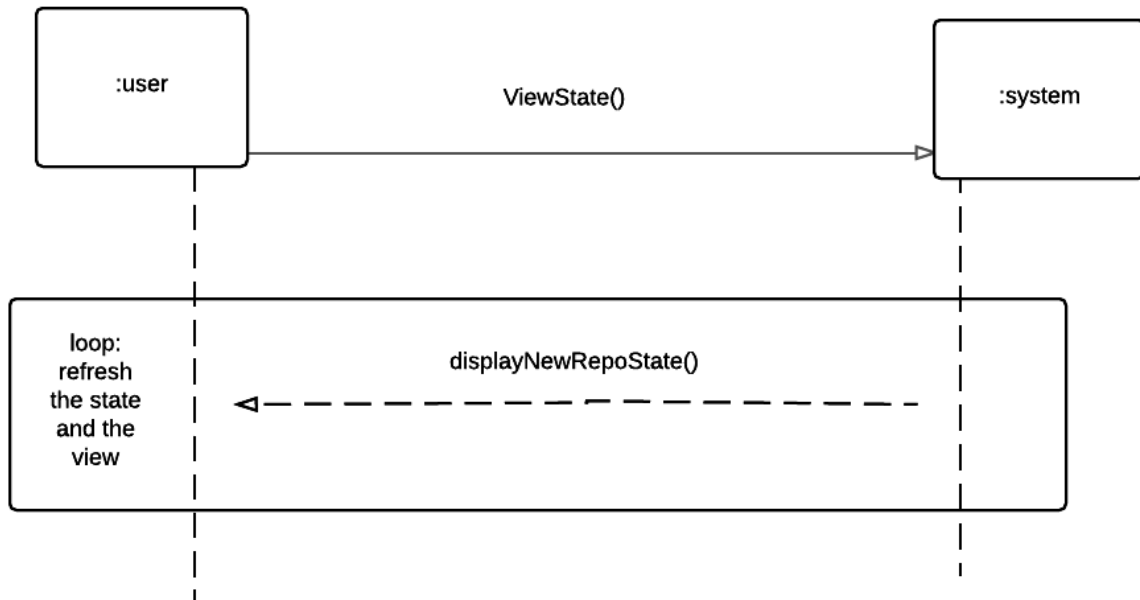
Use Case 9: User selects a commit from the list (middle left), seeing detailed commit info



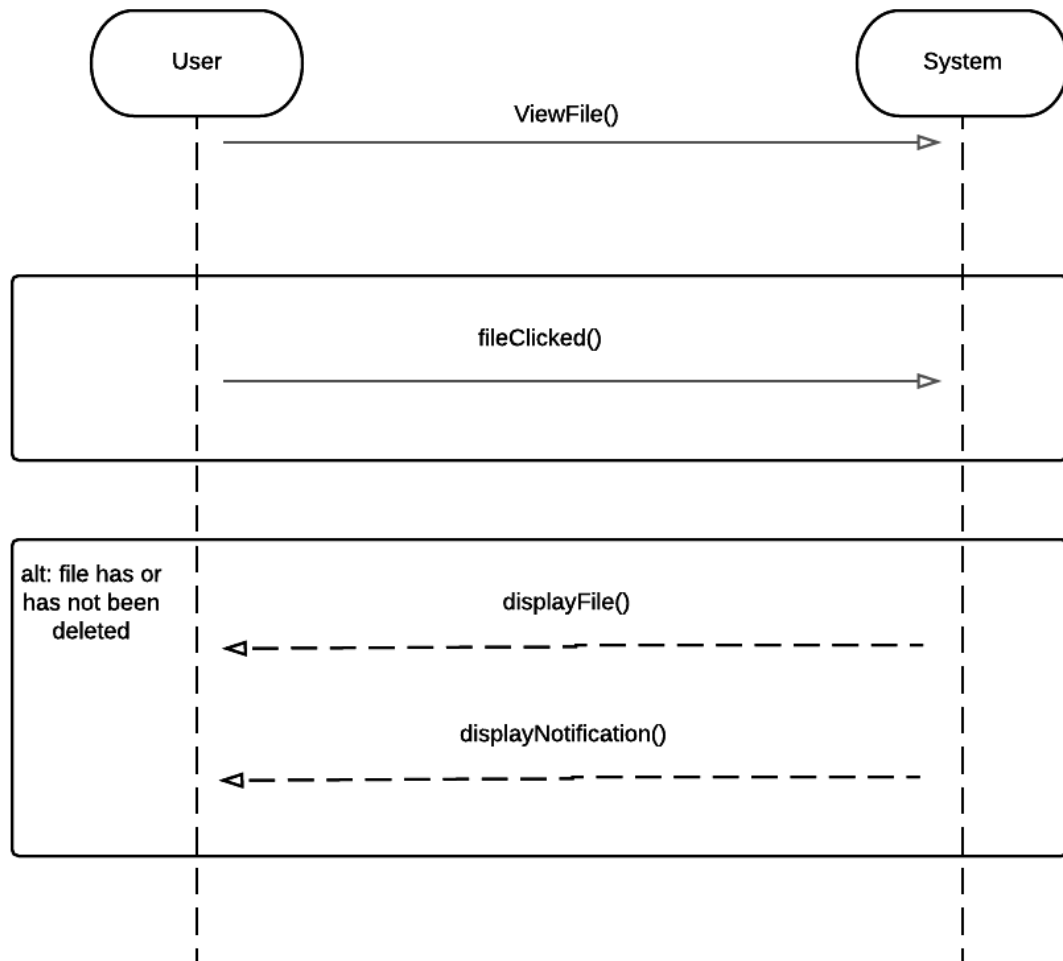
Use Case 10: User clicks one of the stacked graph elements, adding an associated filter to the box



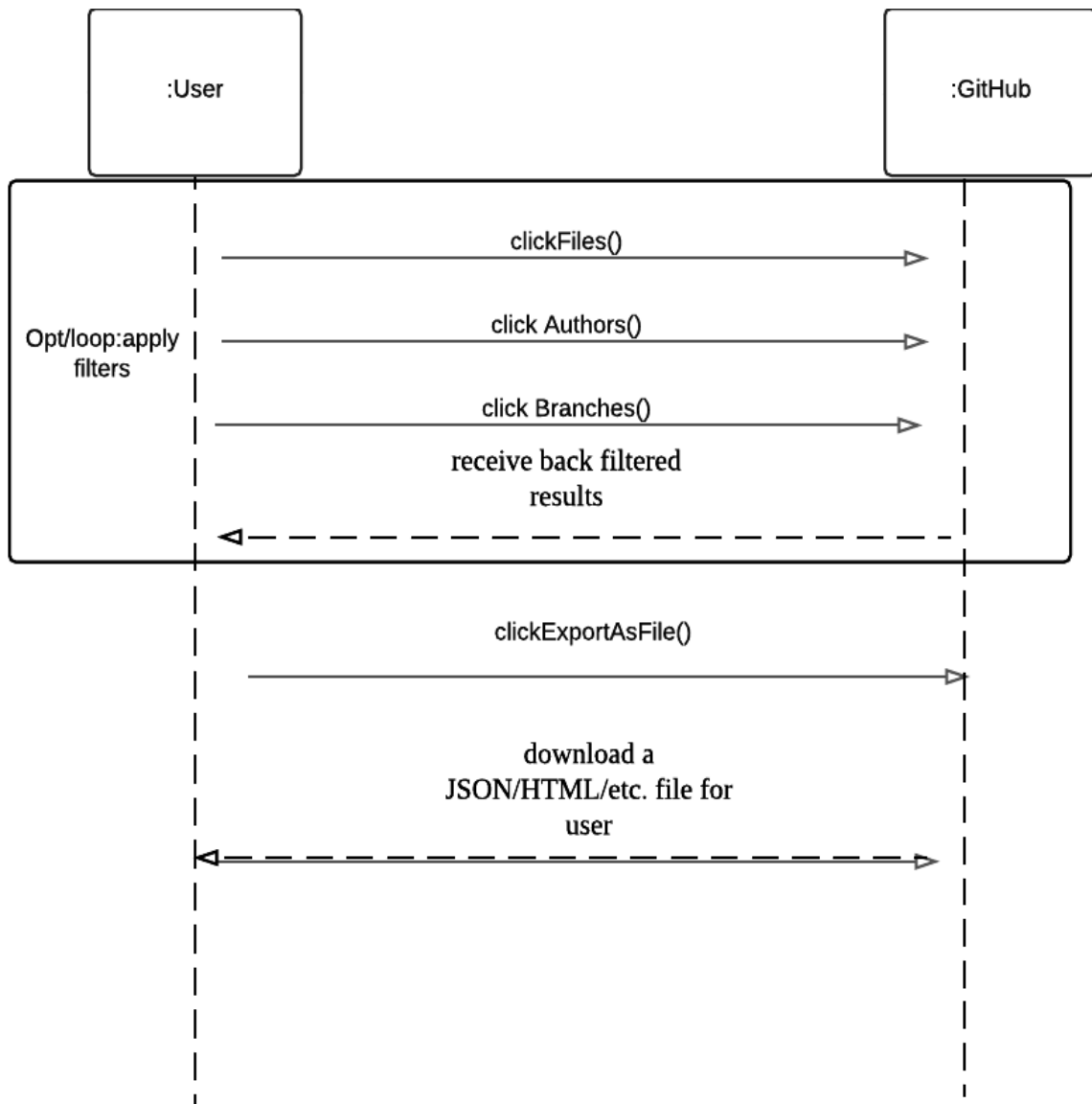
Use Case 11: Repo state changes while user is viewing something, and the view updates



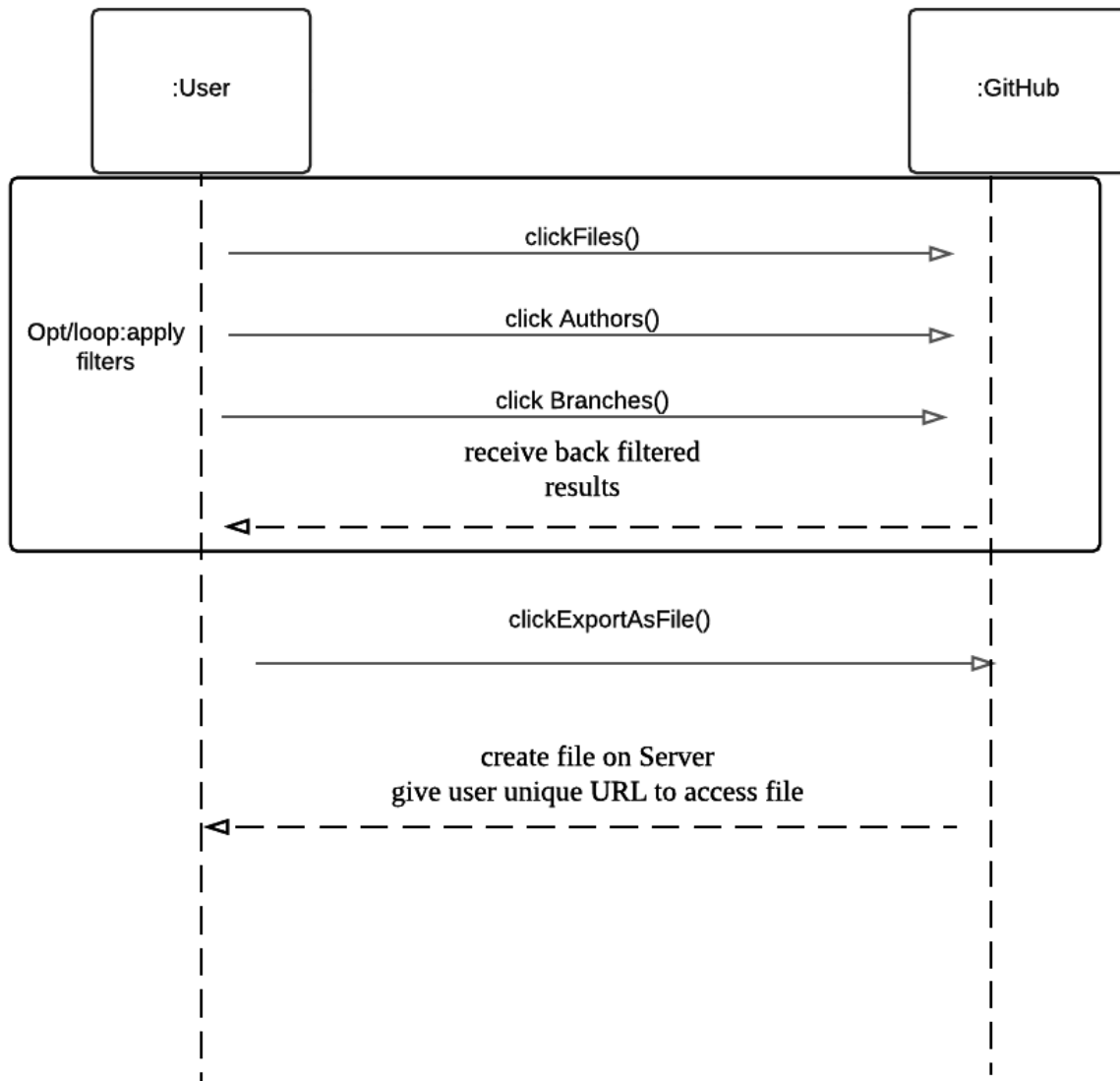
Use Case 12: User views a file/repo that's been deleted, and the view provides a notification



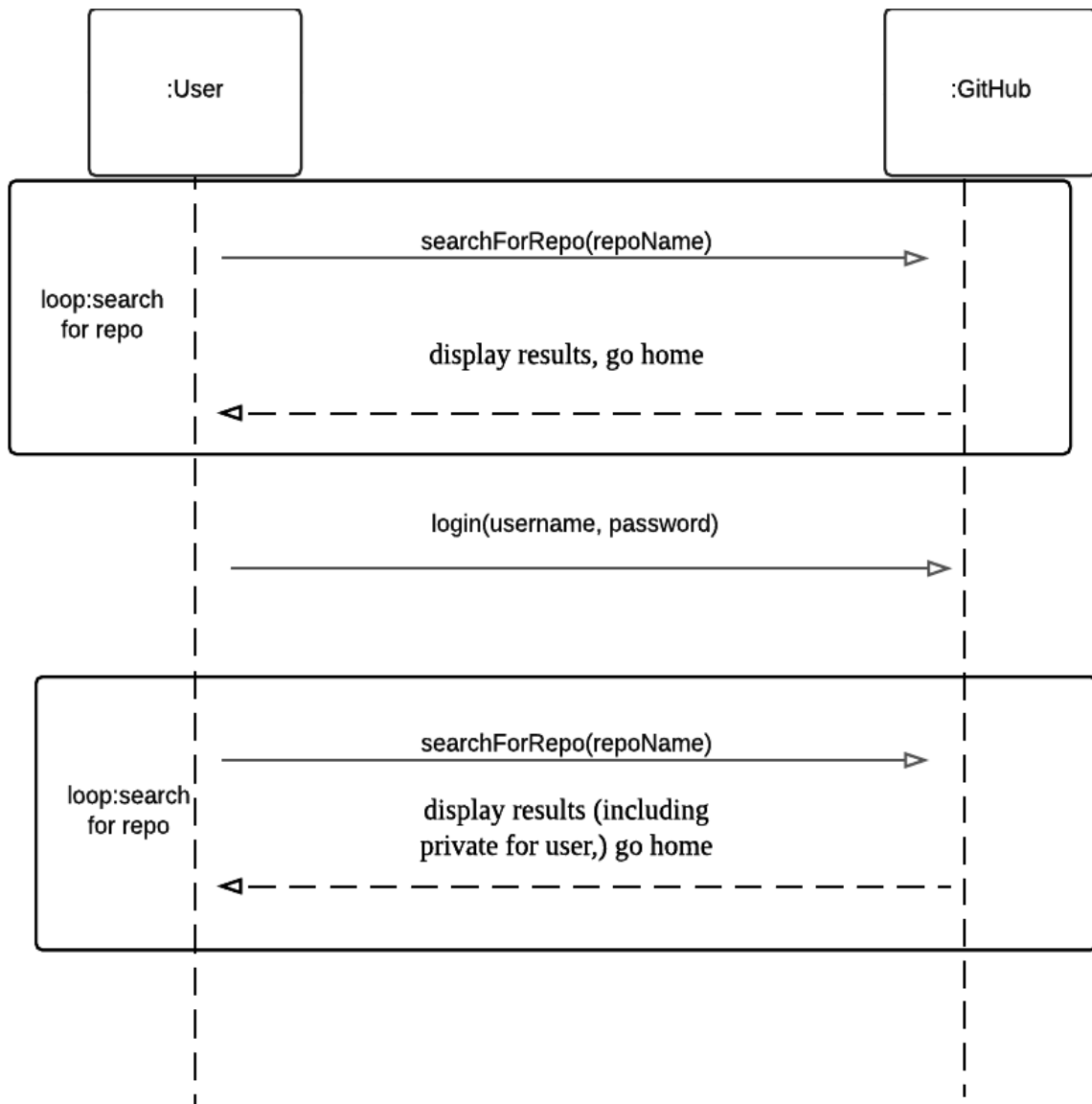
Use Case 13: Exporting the history of a file/author/branch to a file (JSON? HTML?)



Use Case 14: Exporting the history of a file/author/branch to a url



Use Case 15: User authenticates via username/password & selects a private repository



Use Case 16: Select history visualization methods (streamgraph, etc...)

