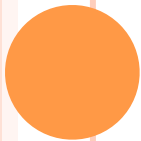


DEXTER

making search Web 2.0 ready!



OBJECTIVE

- To blend social networking into the Google search engine & encapsulate it into a Web2.0 browsing environment.



GOALS

- The search results should be ordered in a way that they give preference to readers opinion .
- The user should be able to separately 'submit' a url to the Dexter database.
- Any url ever 'voted up' or submitted should be logged in for future reference by the user.
- User should be able to choose one of the two interfaces as default home ('Surf' /'Search').
- The privacy of the user profile should be maintained.
- Mechanism should exist to weed out 'spam' and 'inappropriate' url and comment.
- The search interface should be as simplistic as the google search engine homepage.



BENEFITS

- Dexter implements the social search paradigm where relevance of search results is determined by considering the interactions or contributions of users.
- Dexter would enable users to vote the search results and comment on them.
- Dexter would also include another interface “Dexter Surf”.
- Reduces impact of link spam .
- Increased relevance because each result has been selected by users
- It would display results that are more current or in context with changing information
- Dexter would allow bookmarking of url.
- Dexter would allow social networking and increase collaboration



FUNCTIONS

- The user should be able to search without being logged in, though should not be allowed to vote or comment.
- The user should be able to separately submit a url to the Dexter database.
- The user should be able to bookmark the voted results, and be able to tag them.
- User should be able to choose one of the two interfaces as default home ('Surf' / 'Classic').
- User should be able to add dexter friends from google contacts.



OPERATING ENVIRONMENT

➤ Client-Side Requirements

- Hardware Platform – capability of a machine being able to connect to the internet or the LAN in which the web application is deployed to.

- Operating System – all Operating Systems that have an inbuilt network stack incorporated into the kernel.

- Software Platform –

Opera, Browser – IE 6+, Firefox 2+, Safari, Chrome



➤ Server-Side Requirements

➤ Hardware Platform-

- Atleast 256 MB RAM
- 10 GB HDD space

➤ Operating System -

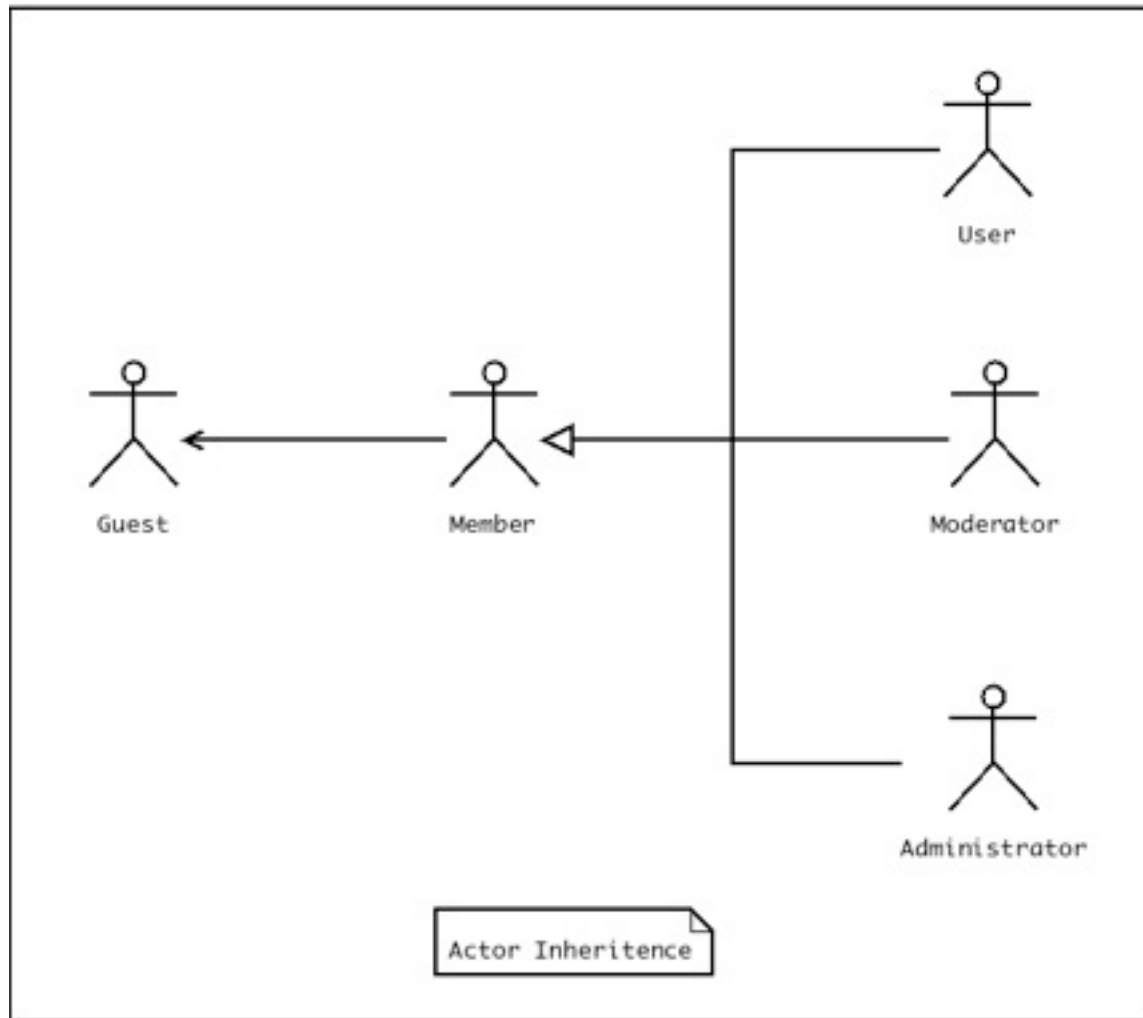
- 32-bit Linux/Windows Operating System
- 2 GB Page File/Swap

➤ Software Platforms -

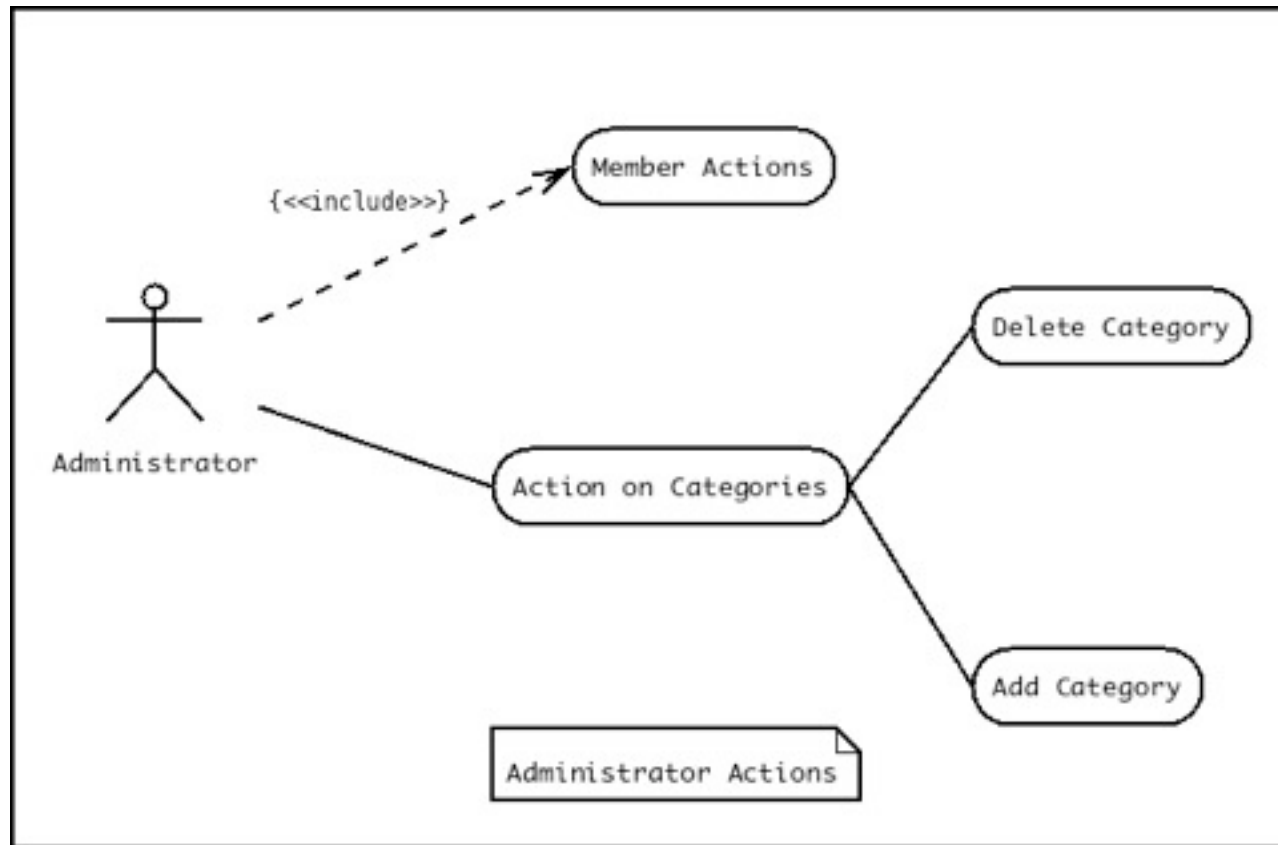
- Java SE 6
- Java EE 5 compatible Application Server (Glass fish)
- Apache Web Server
- Struts and Hibernate libraries



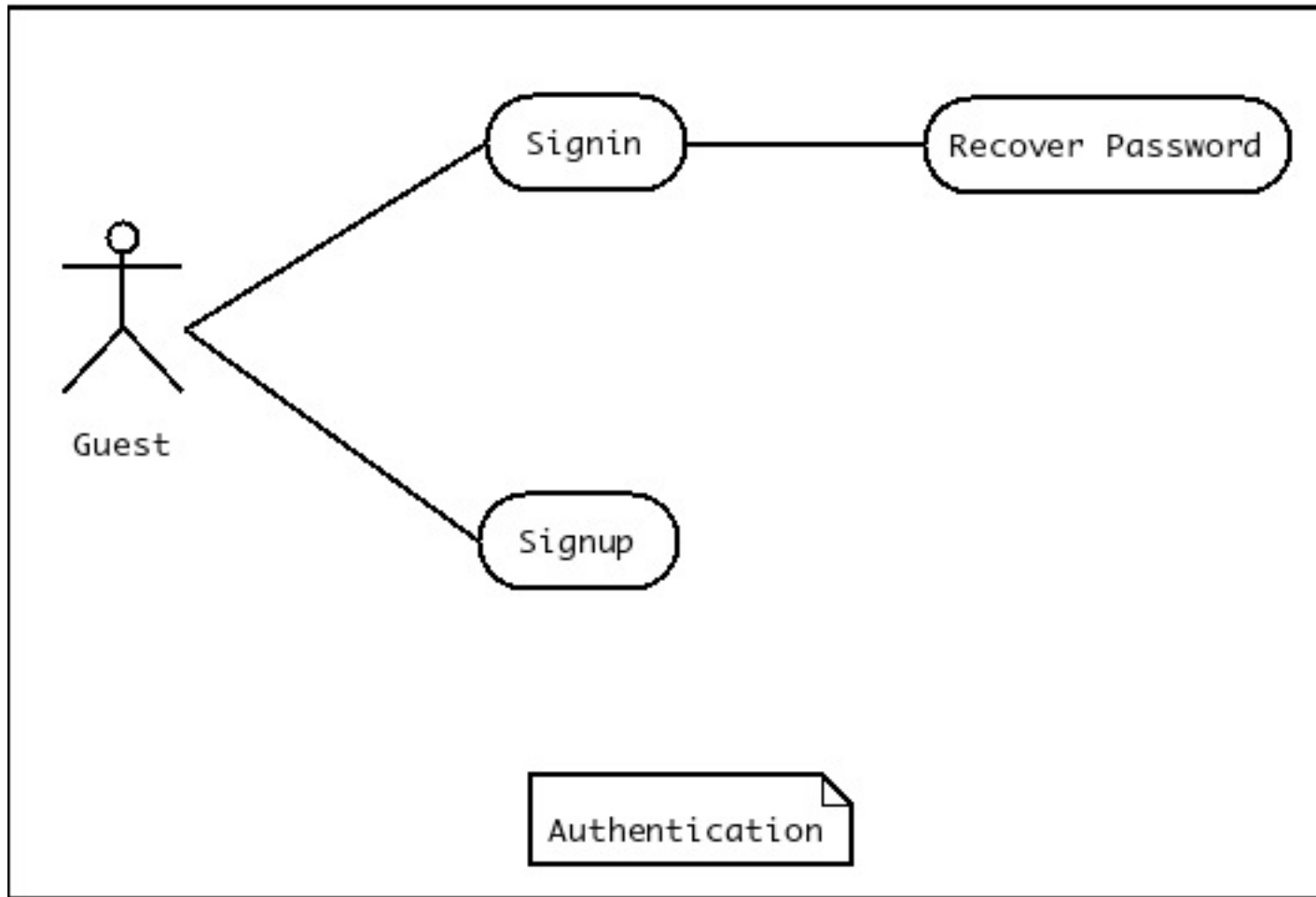
SYSTEM FEATURES



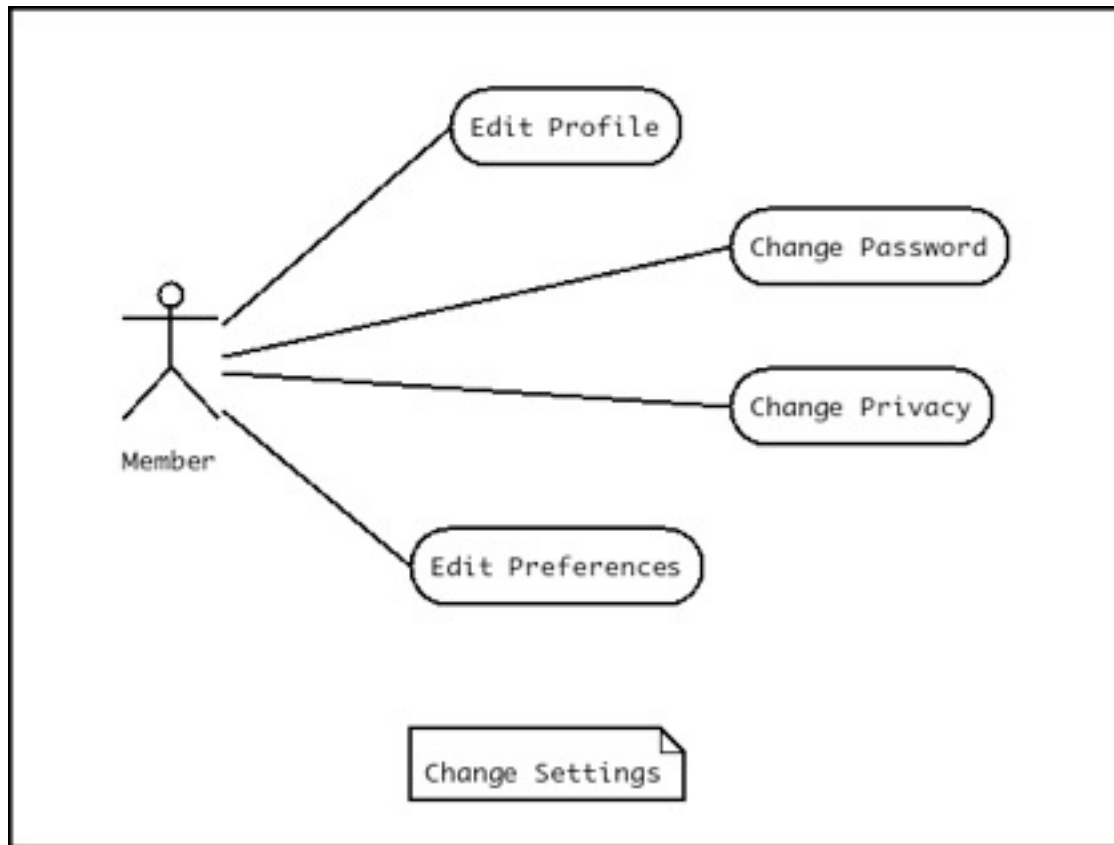
ADMINISTRATOR ACTIONS



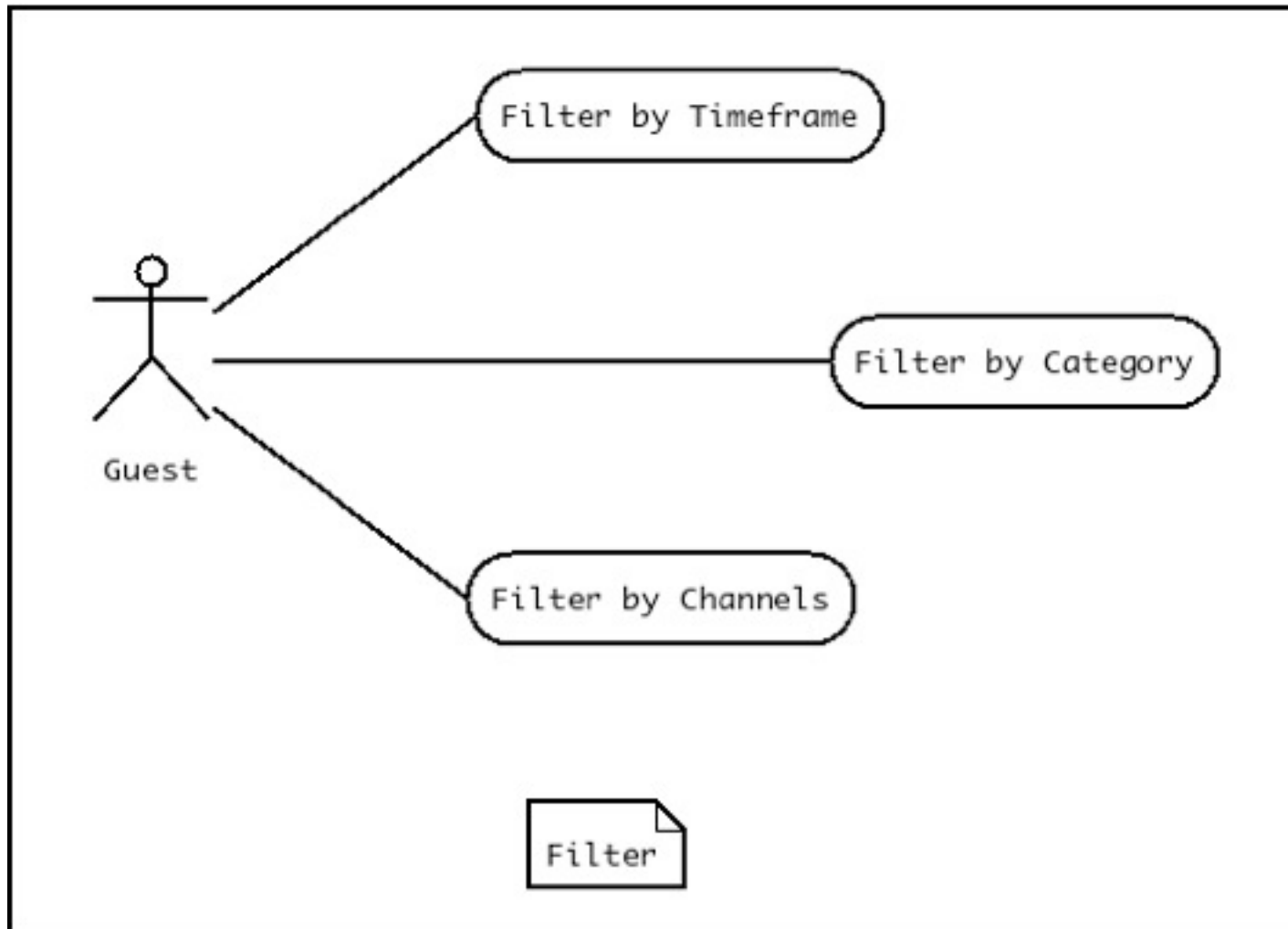
AUTHENTICATION



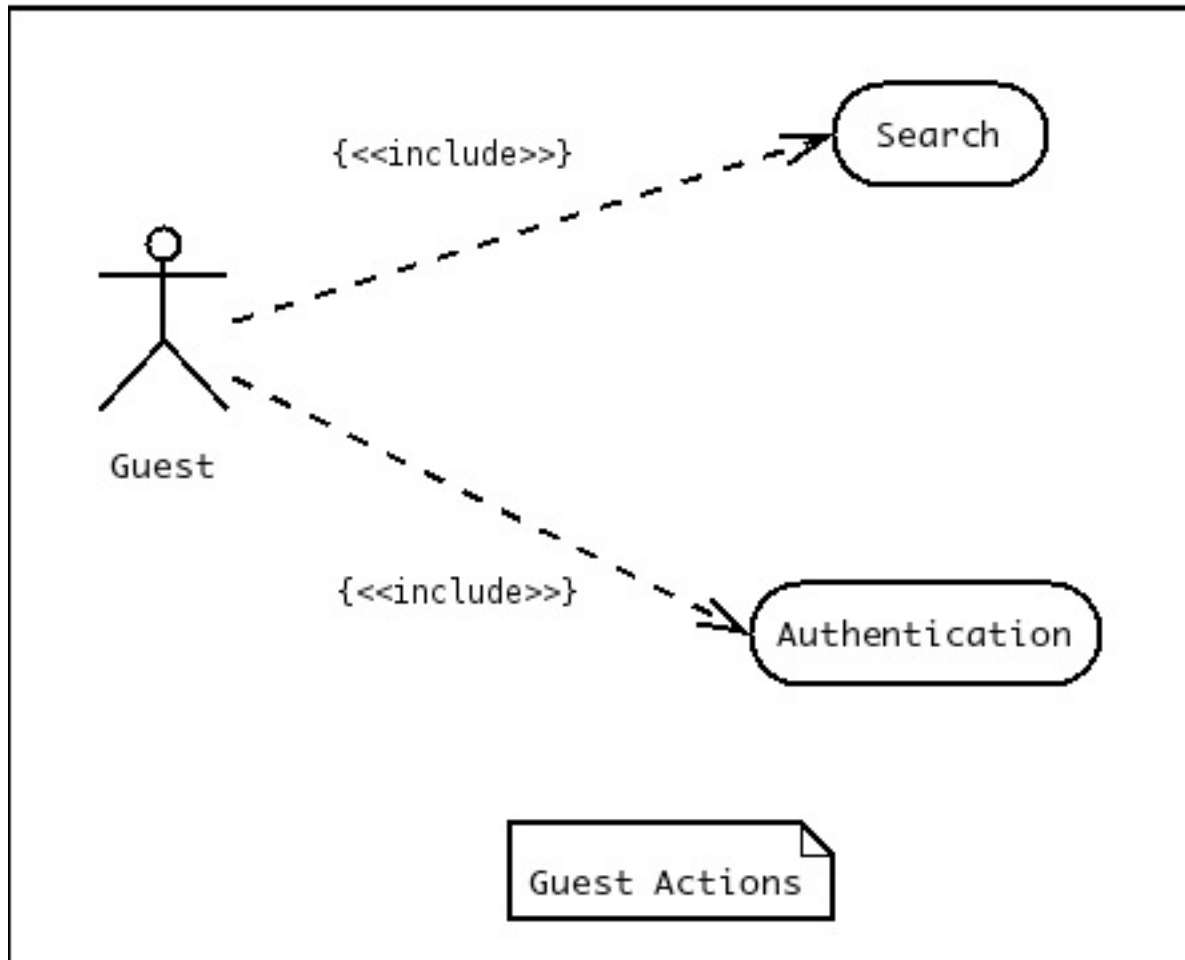
CHANGE SETTINGS



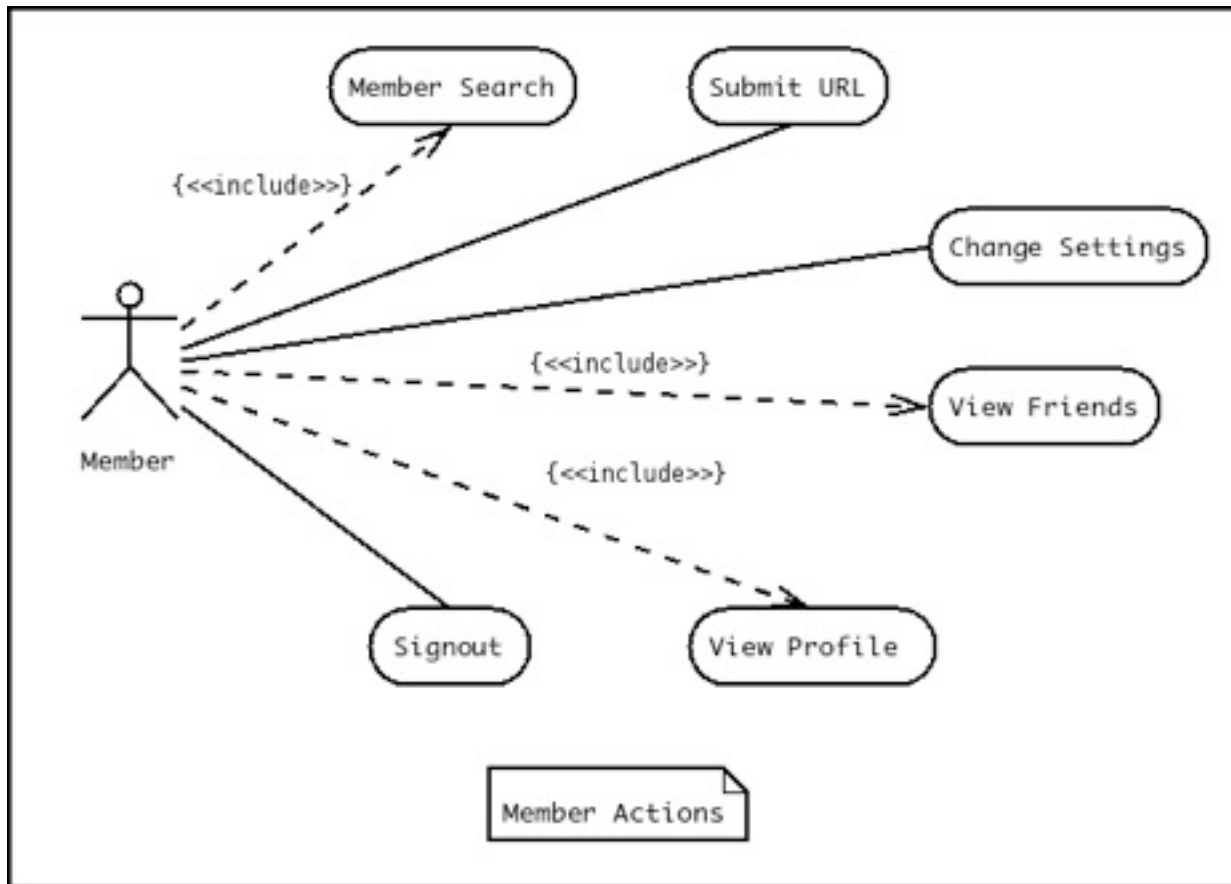
FILTER



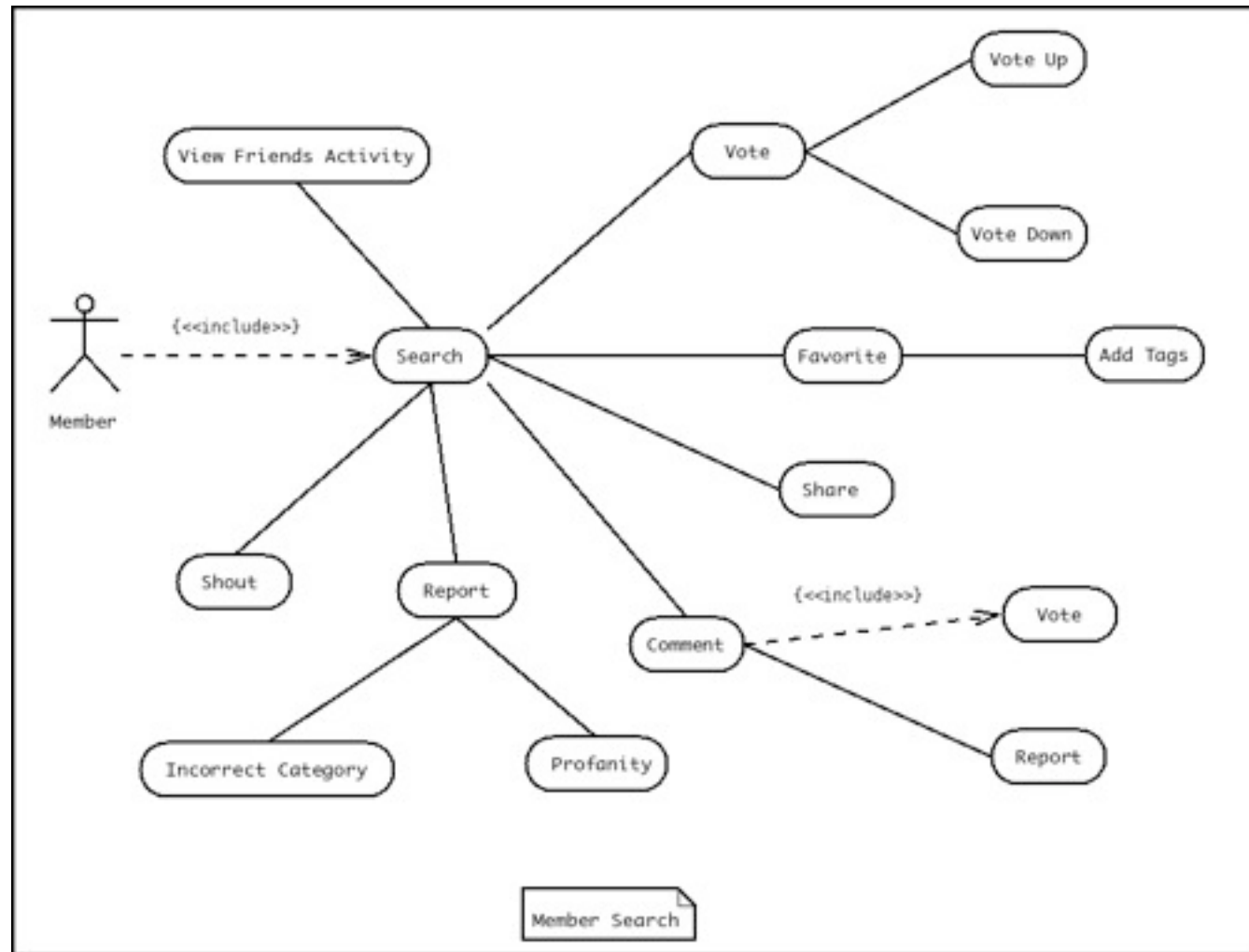
GUEST ACTIONS



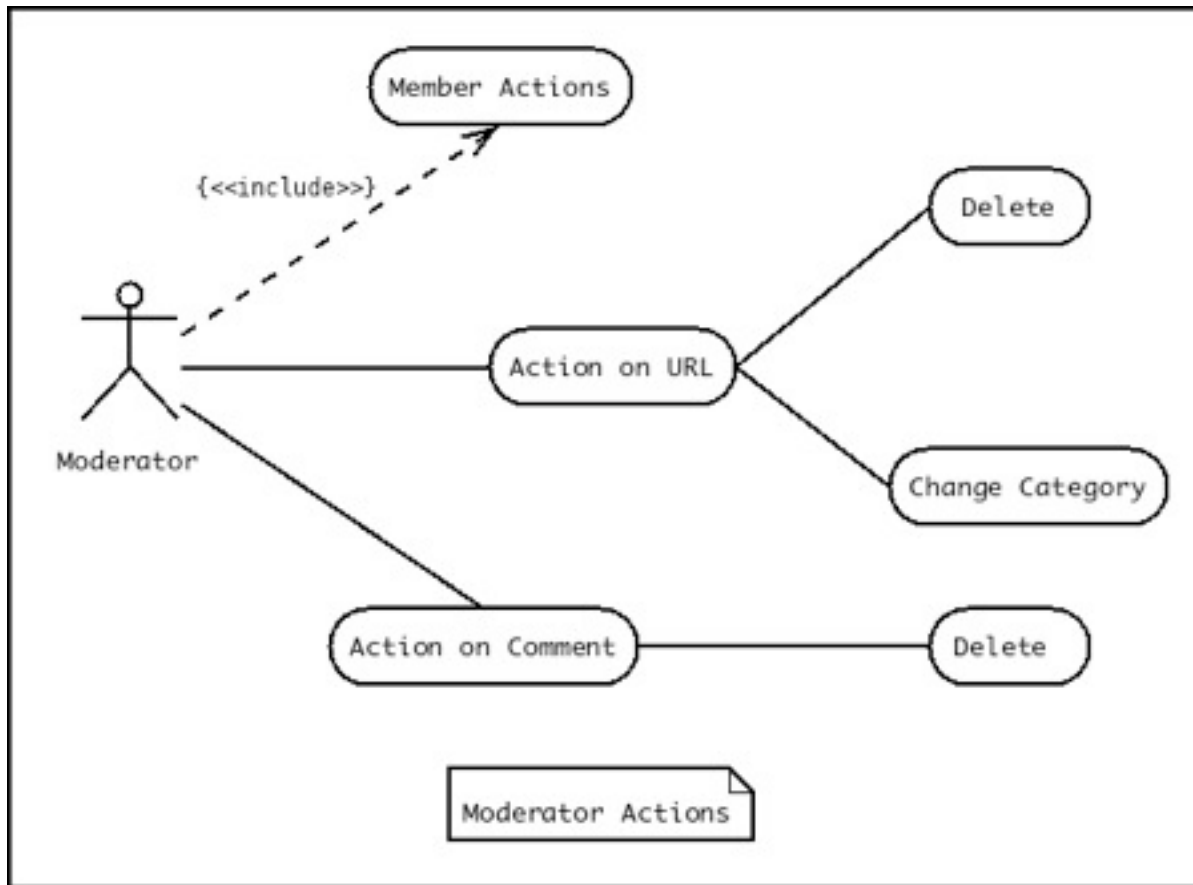
MEMBER ACTIONS



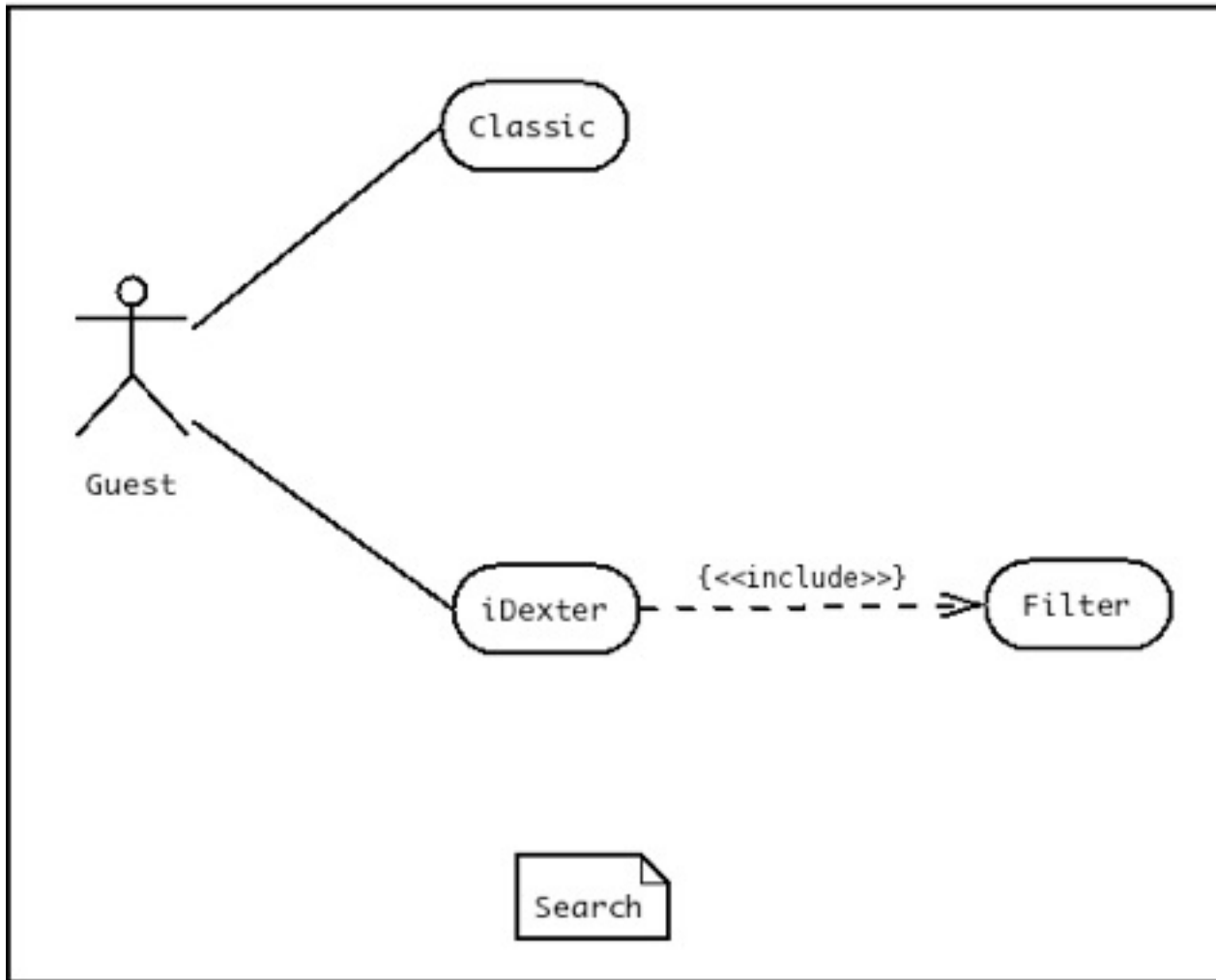
MEMBER SEARCH



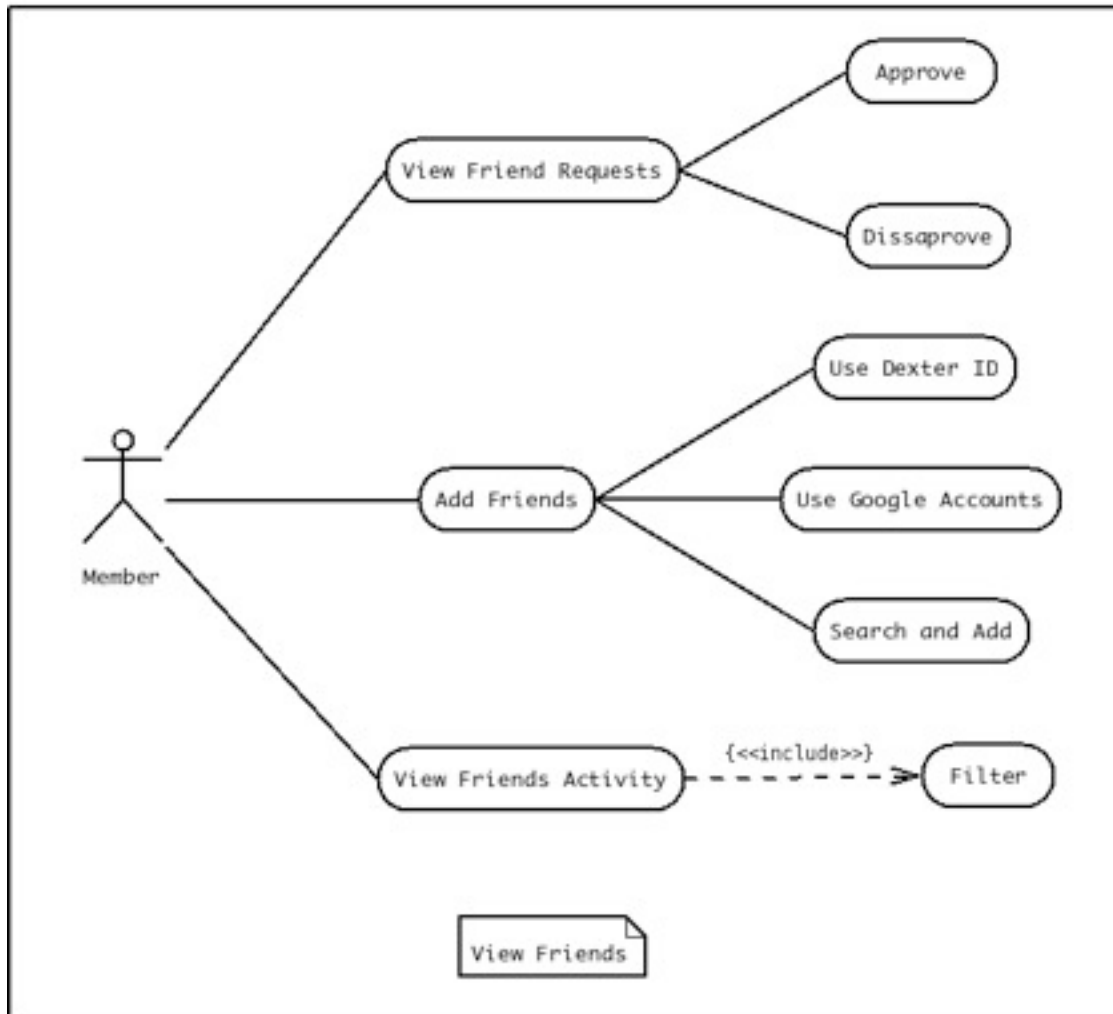
MODERATOR ACTIONS



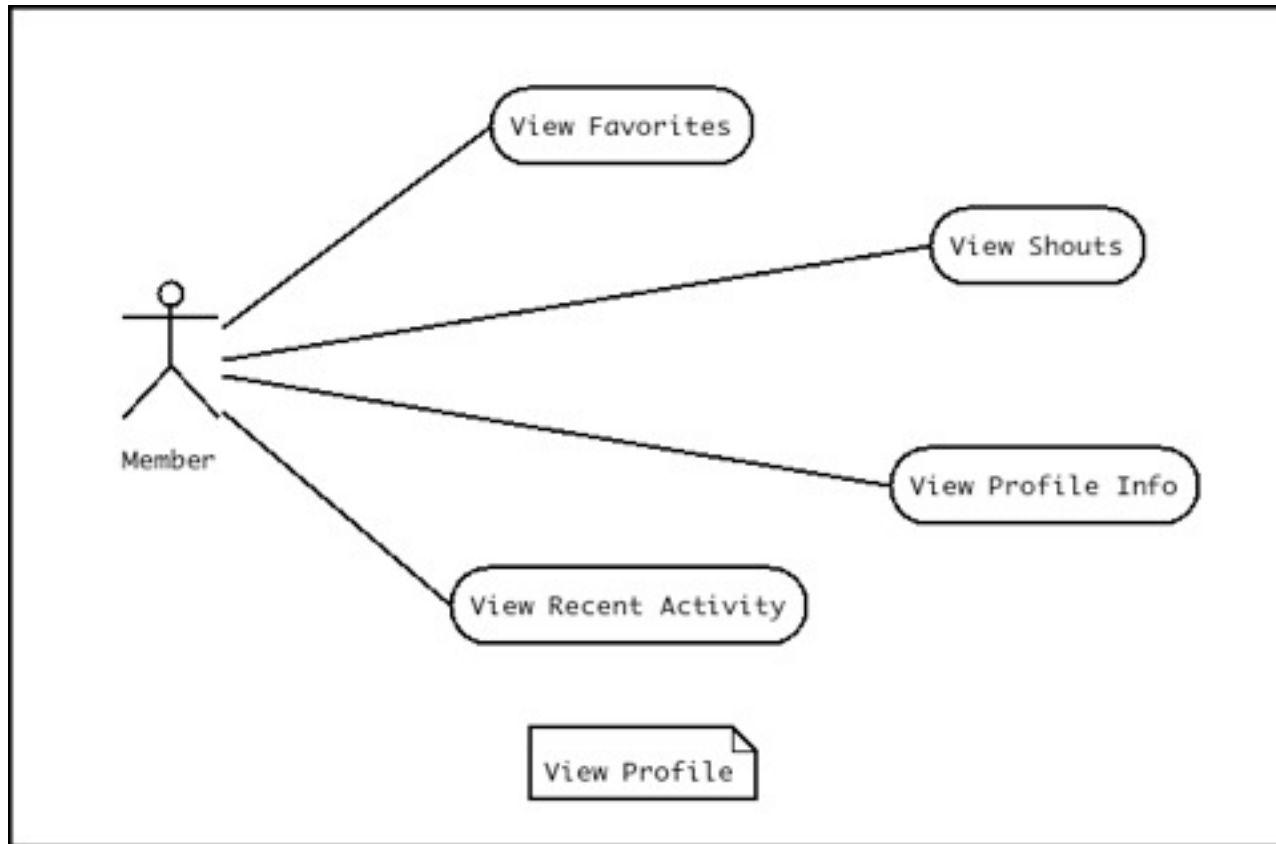
SEARCH



VIEW FRIENDS



VIEW PROFILE



SOFTWARE QUALITY ATTRIBUTES

➤ ADAPTABILITY

It would automatically adapt to the changing order of search results which have not yet been submitted.

➤ FLEXIBILITY

The search results are flexible as they are user ordered.

➤ MAINTAINABILITY

Moderators/Administrators have the work to maintain the content in the Dexter database.

➤ REUSABILITY

Dexter being open-source could be used by other projects who would wish to add to its functionality.

➤ USABILITY

Its even usable in cases when user does not know what to search for and can use the iDexter interface to get started.

