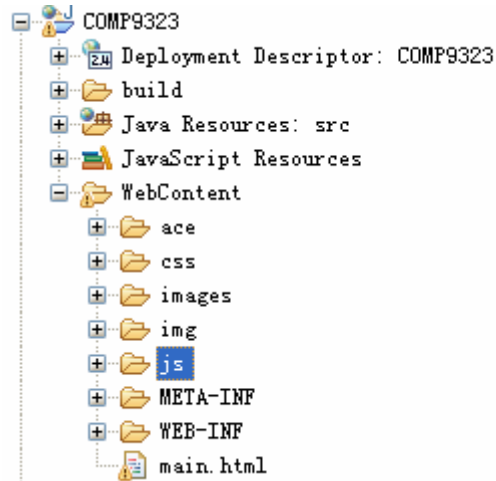


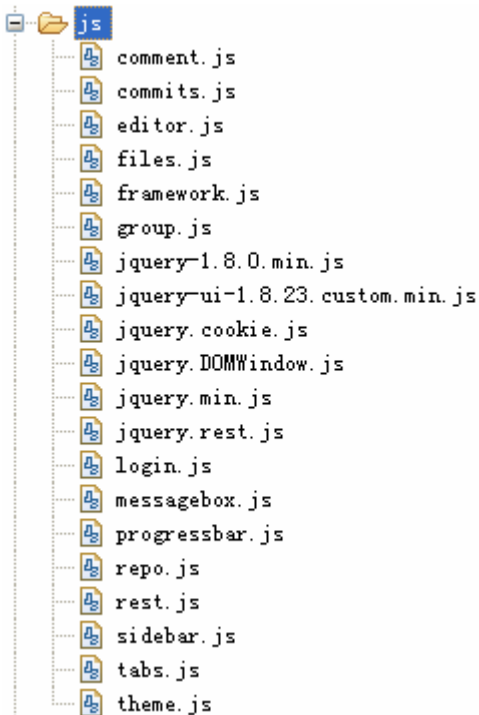
## GitHub Code Management Front-end Code Structure

GitHub Code Management is composed of two parts, namely, front end and the back end. Since our group focuses on the front end and deal with the user interface, this document is specially prepared to present the relevant code in this part only.

To begin with, the snapshot below can give us a brief view of our code structure.



Specifically, we write our code in JavaScript with the help of JQuery. That is to say, we have no code file in the src package; instead, we place all the JavaScript in the js folder under WebContent. And the following snapshot can give us a detailed view of all the JavaScript code files.



As we can see from the above picture, JQuery (`jquery-1.8.0.min.js`, `jquery.rest.js`, `jquery.cookie.js`) and JQuery UI extensions (`jquery-ui-1.8.23.custom.min.js`, `jquery.DOMWindow.js`) are used in our project. File `comment.js` accommodates all the

relevant methods to manage comments and file `commits.js` is used to manage commitments to GitHub. File `editor.js` deals with file editing in the browser using ACE open source editor. File `framework.js` and `sidebar.js` are to construct the infrastructure by integrating all the components into the homepage while `group.js` copes with group management. File `login.js` is obviously dealing with login interface and method behind while `messagebox.js` is to generate fade in and fade out messages to provide user friendly interaction. File `processbar.js` controls the under processing animation while files are loading or uploading while `tabs.js` is to open new tab windows when necessary. The last file `theme.js` is to control the overall website UI style.

Last but not least, brief introduction of the other folders are followed though their functions are evident. Folder `css` is to accommodate all the css files while folders `images` and `img` are to keep all the pictures. Folders `ace` is home to the file editor ACE. Finally, `main.html` is where the user start to navigate our site.