5 marks for correctly implementing index.html, including:
- 1 mark for creating a search input textbox
- 1 mark for creating a button showing search news headlines
- 1 mark for creating a login or logout link
- 1 mark for creating a <div id="news"> element.
- 1 mark for creating a <div id="pageindex"> element.

20 marks for correctly implementing loadNewsList(pageIndex) function, including:
- 2 marks for invoking loadNewsList(1) when the webpage is loaded for the first time and when the search news headlines button is clicked.
- 2 marks for generating an HTTP request to handleListDisplay.php, carrying pageIndex and searchString as parameters.
- 2 marks for correctly displaying login or logout link.
- 3 marks for correctly sorting the news in reverse chronological order.
- 4 marks for correctly displaying the news under <div id="news">.
- 4 marks for correctly displaying all the page indexes.
- 3 marks for highlighting the current page index.

15 marks for correctly implementing handleListDisplay.php, including:
- 3 marks for correctly obtaining the total number of news containing the search string from the database.
- 3 marks for correctly retrieving all the news entries containing the search string on the current page index.
- 3 marks for correctly extracting the first 10 words of the content of a news entry.
- 3 marks for correctly setting up the login status of the user.
- 3 marks for correctly returning a JSON string containing all the information required by the loadNewsList function.

10 marks for correctly implementing displayNewsEntry.php, including:

- 2 marks for correctly displaying the headline, time and content of the news, as well as a back arrow linking to "index.html".

- 2 marks for correctly retrieving all the comments posted on the displayed news.

- 2 marks for sorting the news in reverse chronological order.

- 1 marks for retrieving the information of the user who posted the comment.

- 1 marks for correctly displaying all the comments on the webpage.

- 2 marks for correctly displaying an input box and a button depending on the login status of the user.

10 marks for correctly implementing handlePostComment.php, including:

- 3 marks for correctly calculating the commentID of the new comment.

- 3 marks for correctly inserting the comment into the database.

- 4 marks for returning all the comments that are not displayed on user's web page

back to the user in a JSON string.

10 marks for correctly implementing the postComment() function, including:

- 1 mark for correctly generating an alert when input box is empty.

- 1 mark for correctly retrieving the ID of the news that the comment is posted on.

- 2 marks for correctly retrieving the ID of the newest comment that is being displayed on the webpage.

- 2 marks for correctly obtaining the time when the new comment is posted.

- 2 marks for sorting the new comments in reverse chronological order.

- 2 marks for correctly displaying the new comments.

10 marks for correctly implementing login.php, including:
- 2 marks for correctly displaying a header, 2 input boxes for entering user name and password and a submit button.
- 2 marks for correctly displaying a Go back link according to the newsID parameter carried in the HTTP request.

- 6 marks for correctly implementing the login() function, including:
    - o 2 marks for correctly generating an alert when input boxes are empty.
    - o 2 marks for generating an HTTP request to handleLogin.php, carrying correct parameters.

    - o 2 marks for correctly modifying the layout of login.php to render a web page like fig 3 (b) or (c) in the response handler.

6 marks for correctly implementing handleLogin.php, including:

- 2 marks for correctly retrieving the user record from the database according to the user name and password.

- 2 marks correctly setting up the cookie if the user name and password are valid.

- 2 marks for generating warning messages when user name and password are not valid.

4 marks for correctly implementing logout() function and handleLogout.php, including:

- 2 marks for changing the login link on index.html to logout link in logout() function when the HTTP response is received.

- 2 marks for unsetting the cookie associated with the user in handleLogout.php.

5 marks for good styling of the pages

5 marks for a good programming style