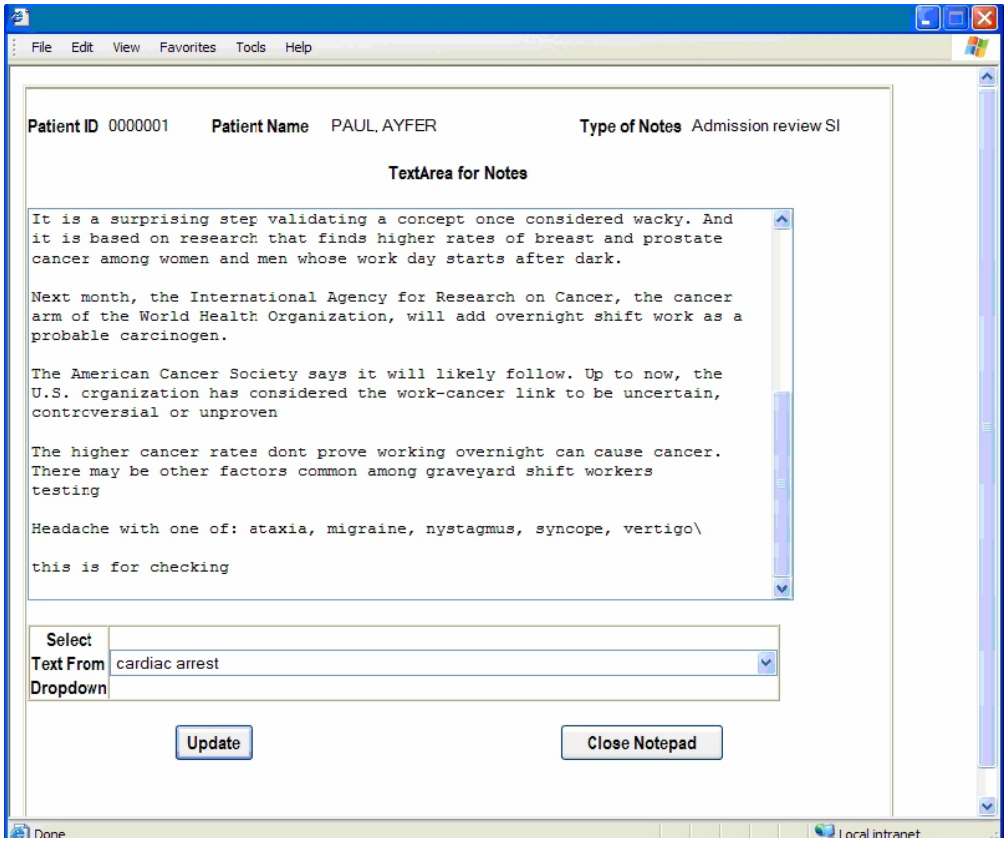
TEXTAREA FUNCTIONALITY IN HATS APPLICATION

HOW TO CREATE TEXTAREA IN HATS APPL ICATION WHICH PERFORMS INSERTION, DELETTION, REPLACEMENT AND UPDATION OF TEXT

In HATS Application, We may come across a situation where we need to create a TextArea in which User can insert any text, replace selected text and also update / append more text in the Textarea.

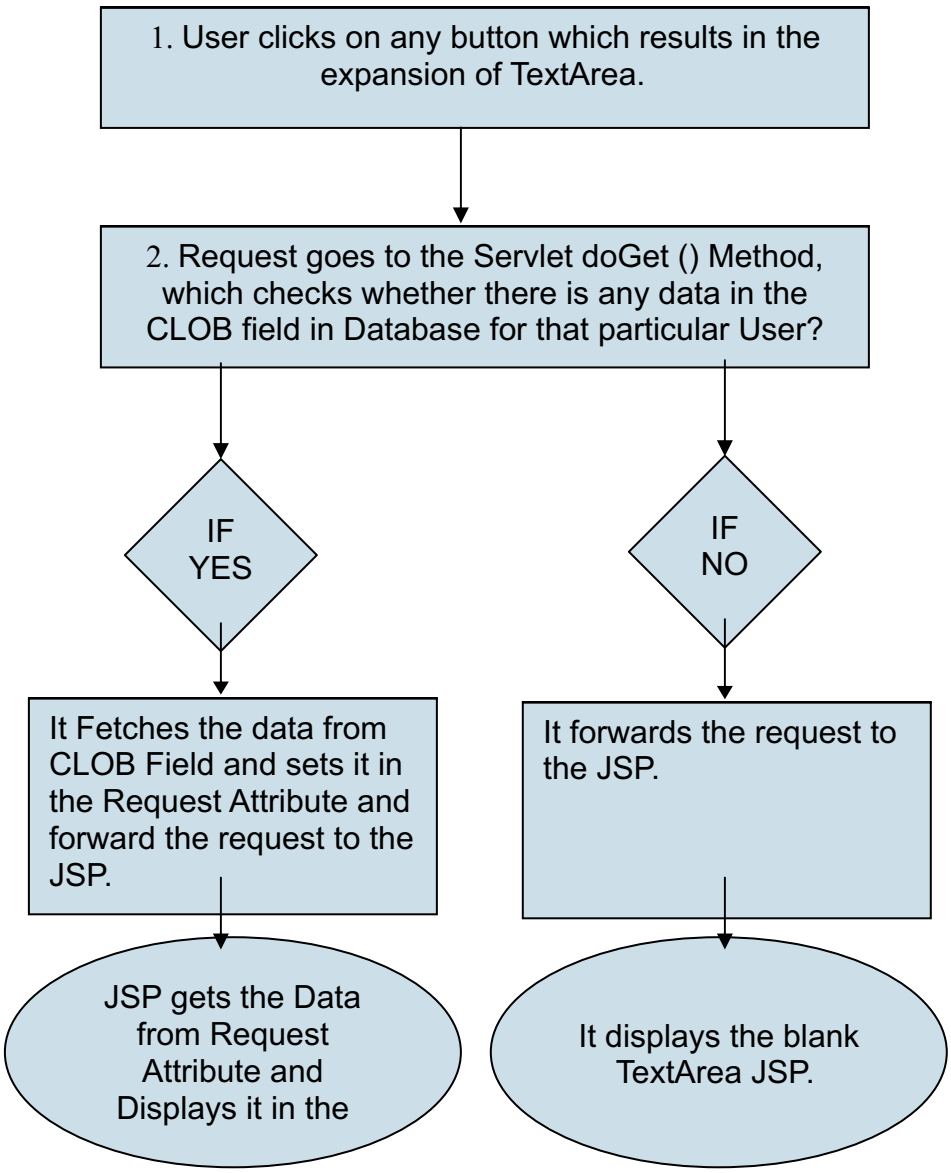
To achieve the above functionality, we need to have one Custom Servlet in between our HATS Application and the JSP. This Custom Servlet follows the pattern of Front Controller and Intercepting Filter and controls the whole logic of forwarding the request coming from HATS Application to the custom JSP. This JSP actually contains the TextArea or we can say that it contains the View.

When the Controller Servlet receives the request from HATS Application, it executes its doGet () method and queries to the database that whether it contains any data in its CLOB field for that particular user Id. If yes, then it fetches that data from the CLOB field and sets that data in the request object and forward the request to the JSP. We can set any number of attributes in the request object before forwarding it to any other resource. When the JSP receives the request, it gets the data from the request object and displays that data to the user in the TextArea. It will look something like the following diagram:

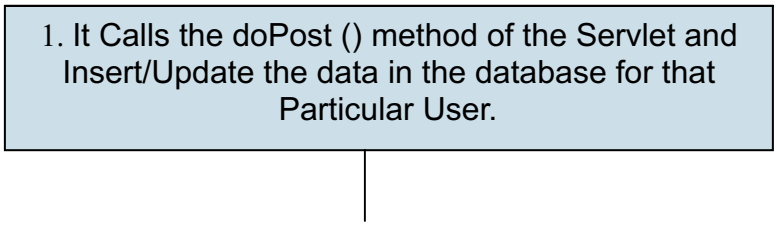


Now, Let suppose User Writes some more text in the above Textarea and click on the UPDATE button, then the doPost () method of the Custom Servlet will be called in the result of this action. In the doPost method we take the updated data from the JSPs Textarea and update that in the Database CLOB field with the help of Update query for that particular user.
If it is a new User then it just Insert the Textarea data in the database with the help of Insertion query for that particular user.

Let us review the whole process with the help of the following diagram:



In the JSP, When the User clicks on the Update Button, it performs the following tasks:



IBM Global Services
Route 100
Somers, NY 10589
U.S.A.
Produced in the United States of America
08-10