**Java Servlet Application**

Approach

My approach to this servlet application was to create a CSV file that would use a servlet to validate user input from the index file, and send the user to a success or error jsp page. I began by creating a CSV file, that holds the card holder information, and put it in my project location. Next, I created a web project, as this project needs to use a servlet. I created a servlet and pointed my submit button to it. I decided on using a post method to get the information from the index file form, and send it to the servlet. Next, I knew I would need a page to display the servlet results, so I created a jsp page for validation error and success. I decided to create a session bean because session beans are the best for logical calculations, such as verification, and should be able to read the text file. I then researched how to validate the information provided by the user, and incorporated this in my servlet file as requested. I tested this with all fields, and it works well. I then attempted to get my bean to read from the text file I created. This is where my issues began. I first simply tried to get information from the text file, and display it on the jsp page with no validation. I tried getting the information from the CSV file using a comma delimiter using FileStream, and it didn’t work. I made sure that my servlet was calling my method to read the file, this didn’t work either. I placed all logic for my variables required for the read in the method, to ensure they were public. This did not work. It seemed no matter what I tried, I still only got a null value for my array reference. This means that the file is not being read properly, or the array value is not being set properly. So I looked for assistance online. I tried researching different methods using buffered reader, changing my code completely, and still could not get it to work properly. I then tried simply copying and pasting code and changing the reference location just to see if it would run properly with my project. This still did not work. In the end, I was running short on time and most of the program was running properly, so I commented out my call to the checkEntry method and ensured that the validation worked properly.

Classes

index.html

error.xhtml

Display.jsp

Methods

checkEntry

Variables

private String first;

private String last;

private String address;

private String number;

private String sec;

private java.util.Date exp;

Pattern let;

Pattern num;

Matcher fm;

Matcher lm;

Matcher nm;

Matcher am;

Matcher sm;

boolean fn;

boolean ln;

boolean n;

boolean sn;

boolean an;

Beans

AuthBean.java