**Short Assignment 4**

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12/3/17

I approached this project knowing that I would need to use a JSF project. After some thought I knew I would need a way to store my questions, ask the questions, and have new questions asked based on the question already asked. I made a question tree using arrays of arrays of arrays. This allowed a question to be asked, and based on that question, ask the next question in line. I started with a simple xhtml index file and then created a bean, jsp file, and servlet. Once these were created, I created my questions in the bean with a method to add them to the tree. I used the index file to access the servlet, which creates a bean, and set my servlet to direct to the jsp file. I then tested my method of creating and displaying information from the tree. It worked after some debugging. Then I set about displaying specific questions based on the number of times the servlet was accessed. I then created a second jsp file to be displayed once all questions in the branch were answered, giving a recommendation. I used a random number generator in the bean to ensure that a new question can be asked when the program is run again. After testing to ensure that everything was working properly, I took screenshots and submitted the project.

Classes

Index.xhtml

MyServlet.java

Recommendation.jsp

Questions.jsp

variables

rnd

count

answer

questions

question

sCount

qNumber

item

a1

a2

a3

Beans

QuestionBean.java

Methods

void addQuestion()