COMP0004 Coursework Report

Program Breakdown

Upon launching the Notebook Application you are taken to a page where you can add, sort and search through notes. Editing and deleting previously made notes is also available.

1) Add
   Clicking on the ‘add’ hyperlink will render the addpage.html which lets you enter both the title and the contents for the note. Two prompts are also provided within the input boxes, ‘Enter title here’ and ‘Enter note here’.

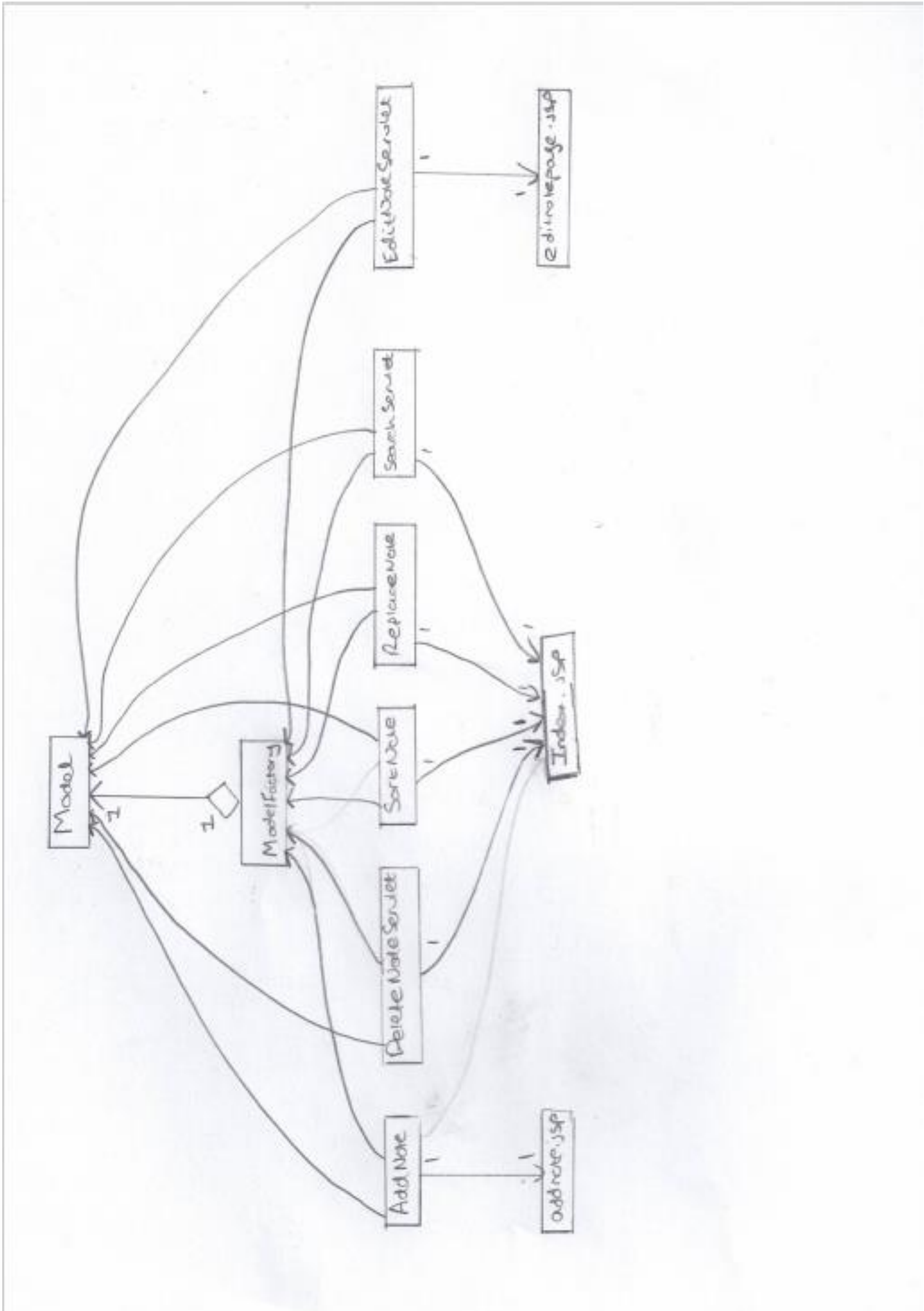
2) Sort
   The ‘sort’ button will sort the notes in alphabetical order, reverse-alphabetical order and back to the original order upon 1, 2, 3 clicks respectively.

3) Search
   A textbox with the prompt ‘Enter query here’ appears where you can search for and find the title of a note from the list.

4) Edit/Delete
   The edit button takes you to the editnote.html page which allows you to rename and change the contents of a note. The delete button will remove a note and its content completely.

All of the notes are displayed on the Notebook Application on usage, however they are also automatically saved in a .csv file so that the user doesn’t have to save the file.

UML Class Diagram



Evaluation of design and programming process

Having used the given JavaWebAppExample as a template, I made the necessary modifications in line with the requirements to implement a successfully working program. The MVC design pattern was used which helped to organise the code nicely and illustrate the necessary relationships between the model, JSP(view) and servlets(controller). I made servlets(classes) for each of the five requirements as they were all required to perform slightly different operations and then created corresponding JSP and html pages in order to render the output to the user. Overall, I believe that I have been consistent in my approach and have created sensible classes in the process.