Lesson 06

**Improve the Look**

Michael, a library clerk for a regional library, wanted to have an application to get feedback from library visitors. For a start, he already has the following pages:

* Book list page, where all books in the library are displayed (bookList.php)
* Provide feedback on the library (feedback.php and doFeedback.php)
* Display a summary of the feedbacks (summary.php)

Michael wants the look and functionality of the pages to be improved. See below for the current and intended improved versions of each page:

1. **Book list page (bookList.php)**

This page displays all the books in the library. For each book, the title, number of pages and category are displayed.

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| **Current version**   * Visitors are not able to filter the books |  |
| **Improved version**   * Add a dropdown that allows visitors to select a book category, for which only books under that category will be displayed. |  |

1. **Provide feedback (feedback.php and doFeedback.php)**

The page **feedback.php** allows visitors to enter their feedback. Visitors enter their name, their area / location in Singapore, date of last visit, their overall rating of the library, and their comments.

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| **Current version**   * Visitors can misspell the area, which may cause difficulties during feedback analysis * Visitors can enter dates in various formats * Visitors may not know the value of the ratings, which one indicates better ratings * Visitors can leave all entries blank and submit the form |  |
| **Improved version**   * Add an autocomplete feature to the area input which will indicate all areas that contain the letter entered by the user * Add a datepicker / calendar feature to the last visit input * Add a slider for the user to choose the average number of books borrowed per visit * Change the user rating input into a star rating format. * Add form validation for the input values |  |

1. **Display summary of feedbacks (summary.php)**

This page displays all feedbacks and the distribution of user ratings

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| **Current version**   * The rating distribution is displayed using plain text. |  |
| **Improved version**   * Display the rating distribution in a pie chart. |  |

You are to implement the above modifications using jQuery.