

# Phase 9

This phase discusses about creation of Various Reports and Dashboards, Sharing Settings, Session Settings, Field Level Settings, Login IP Ranges, Etc.

## SHELF SYNC LIBRARY

### ❖ Reports :

- Tabular Report

This report shows the data in rows from the object selected without any groupings. This type of report is best for list of books, authors, types, etc.

The screenshot shows the 'Tabular Books Report' interface in the Shelf Sync Library application. The interface includes a top navigation bar with a search bar and various menu items. The main content area displays a table of book records. On the left, there are panels for 'Groups' and 'Columns'. The 'Columns' panel shows selected fields: Book Title, Author, Book Type, and Stock. The table itself has columns for Book Title, Author, Book Type, and Stock, with rows numbered 1 through 16. A status bar at the bottom indicates 'Previewing a limited number of records. Run the report to see everything'.

|    | Book: Book Title                      | Author           | Book Type             | Stock |
|----|---------------------------------------|------------------|-----------------------|-------|
| 1  | Steve Jobs                            | Walter Issacson  | Biography             | 39    |
| 2  | Discovery of India                    | Jawaharlal Nehru | History               | 34    |
| 3  | My Experiments with Truth             | Mahatma Gandhi   | Autobiography         | 24    |
| 4  | Object Oriented Programming with C++  | E Balagurusamy   | Education             | 32    |
| 5  | Thinking with type                    | Ellen Lupton     | Arts                  | 34    |
| 6  | The Photographer's                    | Lindsay Adler    | Photography           | 49    |
| 7  | Think and Grow                        | Napoleon Hill    | Economics             | 42    |
| 8  | The Fifth Discipline : The Art        | Peter M. Senge   | Management            | 30    |
| 9  | A Theory of Justice                   | John Rawls       | Law                   | 22    |
| 10 | Eat to Live                           | Joel Fuhrman     | Health                | 22    |
| 11 | City of Heavenly Fire                 | Cassandra Clare  | Fiction               | 29    |
| 12 | Da Vinci Code                         | Dan Brown        | Fiction               | 46    |
| 13 | War and Peace                         | Leo Tolstoy      | Philosophical fiction | 33    |
| 14 | Python For All                        | John Shovic      | Education             | 48    |
| 15 | Automate The Boring Stuff With Python | Al Sweigart      | Education             | 41    |
| 16 | Wings Of Fire                         | APJ Abdul Kalam  | Autobiography         | 22    |

- Summary Report

This type of report is used to group the data fields by row, and can be used to show subtotals (sum, average, etc.) The summary report here shows grouping the data by rows by Stock count, shown in the below screenshot

**Summary Books Report**

Previewing a limited number of records. Run the report to see everything.

| Stock      | Book: Book Title                     | Book Type            | Author          |
|------------|--------------------------------------|----------------------|-----------------|
| 20 (1)     | Ikigai                               | Personal Development | Hector Garcia   |
| Subtotal   |                                      |                      |                 |
| 22 (3)     | A Theory of Justice                  | Law                  | John Rawls      |
|            | Eat to Live                          | Health               | Joel Fuhrman    |
|            | Wings Of Fire                        | Autobiography        | APJ Abdul Kalam |
| Subtotal   |                                      |                      |                 |
| 24 (1)     | My Experiments with Truth            | Autobiography        | Mahatma Gandhi  |
| Subtotal   |                                      |                      |                 |
| 29 (2)     | City of Heavenly Fire                | Fiction              | Cassandra Clare |
|            | Who Will Cry When You Will Die       | Personal Development | Robin Sharma    |
| Subtotal   |                                      |                      |                 |
| 30 (1)     | The Fifth Discipline : The Art       | Management           | Peter M. Senge  |
| Subtotal   |                                      |                      |                 |
| 32 (1)     | Object Oriented Programming with C++ | Education            | E. Balagurusamy |
| Subtotal   |                                      |                      |                 |
| Row Counts |                                      |                      |                 |

Row Counts: ☐ Detail Rows: ☒ Subtotals: ☒ Grand Total: ☒

- Matrix Report

The matrix report is used to apply grouping by rows and columns both, here the rows were grouped by Book Type and Columns by Stock.

**Summary Books Report**

Previewing a limited number of records. Run the report to see everything.

| Book Type     | Book: Book Title          | A Theory of Justice | Automate The Boring Stuff With Python | City of Heavenly Fire | Da Vinci Code | Discovery of India | Eat to Live | Ikigai | Immortals |
|---------------|---------------------------|---------------------|---------------------------------------|-----------------------|---------------|--------------------|-------------|--------|-----------|
| Biography     | Sum of Stock Record Count | 0                   | 0                                     | 0                     | 0             | 0                  | 0           | 0      | 0         |
| History       | Sum of Stock Record Count | 0                   | 0                                     | 0                     | 0             | 34                 | 0           | 0      | 0         |
| Autobiography | Sum of Stock Record Count | 0                   | 0                                     | 0                     | 0             | 0                  | 0           | 0      | 0         |
| Education     | Sum of Stock Record Count | 0                   | 41                                    | 0                     | 0             | 0                  | 0           | 0      | 0         |
| Arts          | Sum of Stock Record Count | 0                   | 0                                     | 0                     | 0             | 0                  | 0           | 0      | 0         |

Details (20 Rows): Click an intersection in the table above to filter details.

| Stock |    |
|-------|----|
| 1     | 39 |
| 2     | 34 |
| 3     | 24 |
| 4     | 22 |
| 5     | 41 |
| 6     | 32 |
| 7     | 48 |

Row Counts: ☒ Detail Rows: ☒ Grand Total: ☒ Stacked Summaries: ☒

- Joined Report

A joined report combines multiple report blocks, each with its own filters and fields, into a single

report, and the below screenshot shows an implemented example with the Book Data.

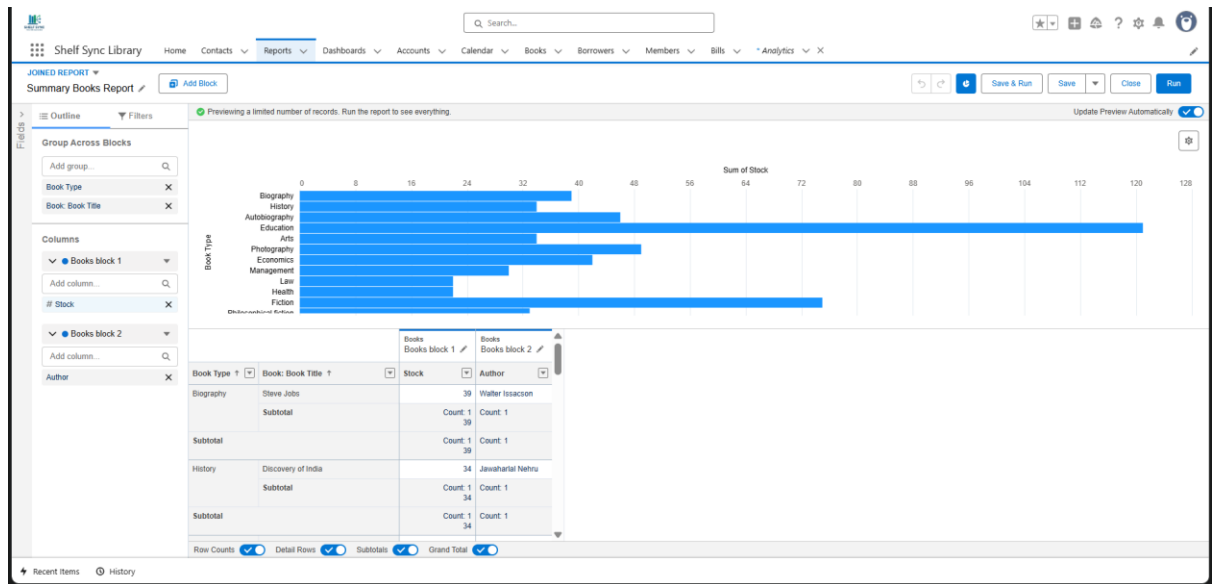
The screenshot shows the 'Shelf Sync Library' interface with the 'Reports' menu open. A 'Report' configuration window is displayed, showing a list of available fields and a 'Columns' section with '# Stock' selected. The main table displays data for various book types, including Biography, History, Autobiography, Education, and Arts, with columns for Book Type, Book: Book Title, and Stock. A 'Details' window is also open, showing a list of rows with their respective Stock values.

| Book Type     | Book: Book Title                      | Stock |
|---------------|---------------------------------------|-------|
| Biography     | A Theory of Justice                   | 0     |
| Biography     | Automate The Boring Stuff With Python | 0     |
| Biography     | City of Heavenly Fire                 | 0     |
| Biography     | Da Vinci Code                         | 0     |
| Biography     | Discovery of India                    | 0     |
| Biography     | Eat to Live                           | 0     |
| Biography     | Rigai                                 | 0     |
| Biography     | Immortal                              | 0     |
| History       | Sum of Stock                          | 34    |
| History       | Record Count                          | 1     |
| Autobiography | Sum of Stock                          | 0     |
| Autobiography | Record Count                          | 0     |
| Education     | Sum of Stock                          | 41    |
| Education     | Record Count                          | 1     |
| Arts          | Sum of Stock                          | 0     |
| Arts          | Record Count                          | 0     |

The screenshot shows the 'Shelf Sync Library' interface with the 'Reports' menu open. A 'Joined Report' configuration window is displayed, showing a list of available fields and a 'Columns' section with '# Stock' and 'Author' selected. The main table displays data for various book types, including Biography, History, Autobiography, Education, and Arts, with columns for Book Type, Book: Book Title, Stock, and Author. A 'Details' window is also open, showing a list of rows with their respective Stock values.

| Book Type     | Book: Book Title                      | Stock    | Author           |
|---------------|---------------------------------------|----------|------------------|
| Biography     | Steve Jobs                            | 39       | Walter Isaacson  |
| Biography     | Subtotal                              | Count: 1 | Count: 1         |
| History       | Discovery of India                    | 34       | Jawaharlal Nehru |
| History       | Subtotal                              | Count: 1 | Count: 1         |
| Autobiography | My Experiments with Truth             | 24       | Mahatma Gandhi   |
| Autobiography | Subtotal                              | Count: 1 | Count: 1         |
| Autobiography | Wings Of Fire                         | 22       | APJ Abdul Kalam  |
| Autobiography | Subtotal                              | Count: 1 | Count: 1         |
| Education     | Automate The Boring Stuff With Python | 41       | Al Sweigart      |
| Education     | Subtotal                              | Count: 1 | Count: 1         |

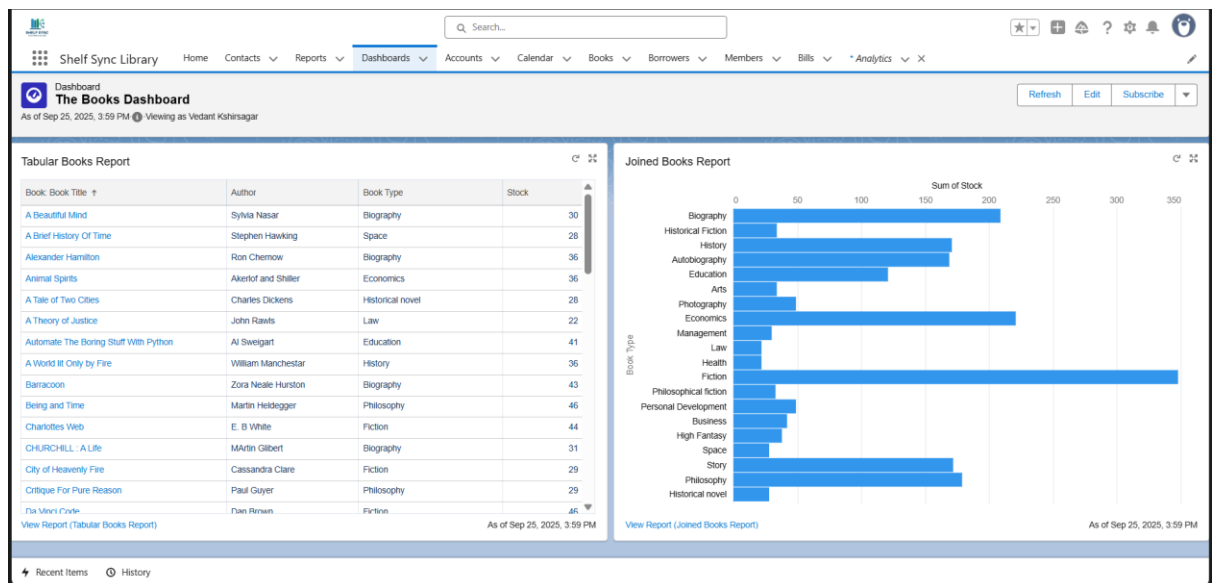
- To show and understand the data more clearly a horizontal bar chart was selected to better understand the data.
- Shown in the below screenshot :



## ❖ Dashboard :

The following dashboard was created by the joined report previously created and the tabular report on the books object.

Below is a screenshot :

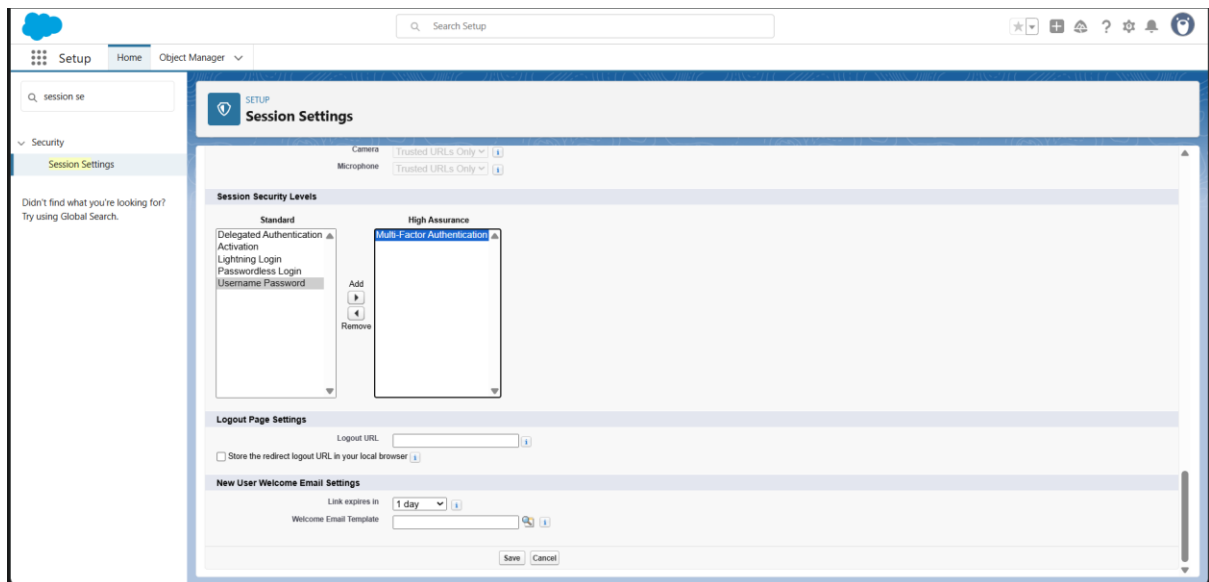


- **Sharing Rules :**

The Objects and rules for sharing the data need not to be manipulated as it is already set for the individual profiles and their levels of access to the respective objects and fields.

- **Session Settings :**

For the session settings the new user Welcome email expiry is set to 1 day and MFA is enabled



- **Login IP Ranges :**

Any user can access without the restriction of a specific IP to log in into the ORG