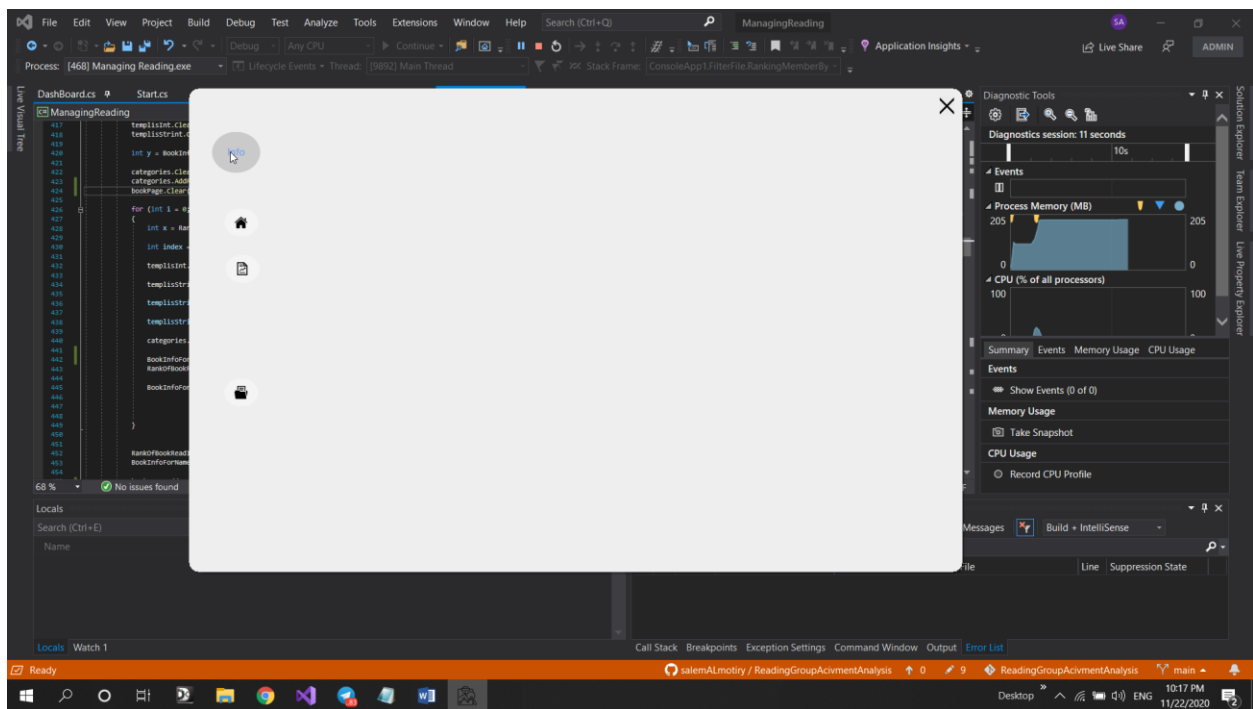
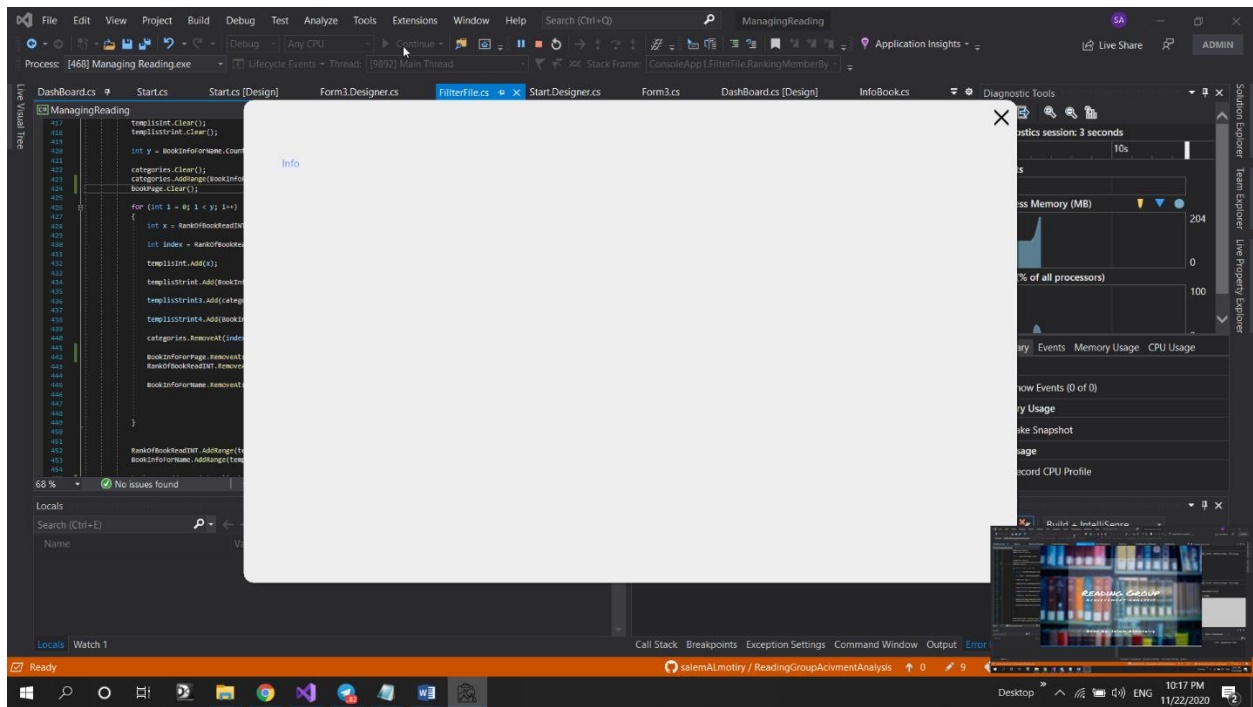
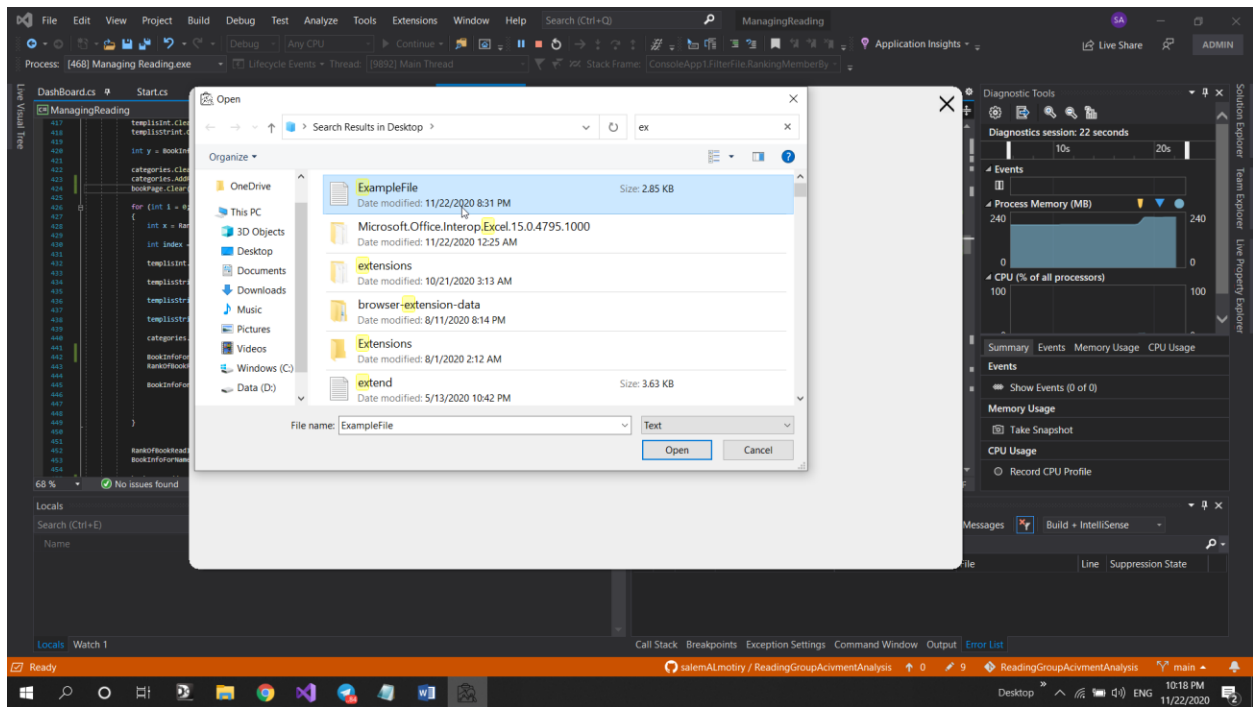
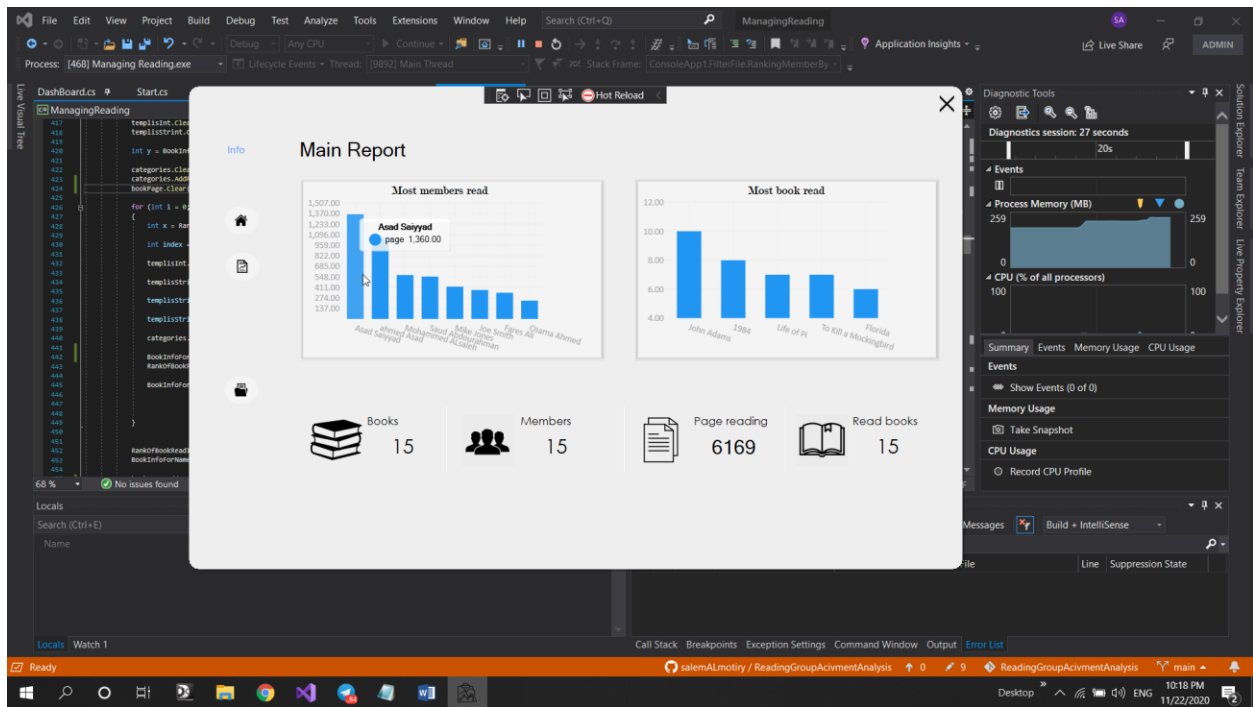


key language features		
Language feature	Class/File name	Line No
List	FilterFile.cs	10-29 38-59
Array	FilterFile.cs	60-66
functions	FilterFile.cs	112-705
switch	FilterFile.cs	122-272
For loop	FilterFile.cs	125-163 167-217 221-271 287-298 337 372-378 418 451 481 546-549 640 777-783 466-487
If/else	FilterFile.cs DashBoard.cs	127-271 284-295 374-380 512-523 523 620 646-648 72-86 111-170 187-224 347-419 433
While loop	FilterFile.cs	510 637
Foreach loop	FilterFile.cs	521 581 606 617 709-759
Int	DashBoard.cs	28-31 39-42
Bool	DashBoard.cs	33-36 43
String	DashBoard.cs	44 571
multidimensional array	DashBoard.cs	48
Try/catch	DashBoard.cs	349-414









Visual Studio interface showing a web application running in the browser. The application displays a dashboard with four charts and tables. The charts are: Most book read, Most Categories read, Most member read, and Most member read by book. The tables show the top 6 items for each category.

Most book read

Rank	Book	Times
1	John Adams	10
2	1984	8
3	Life of Pi	7
4	To Kill a Mockingbird	7
5	Florida	6
6	The Ninth Fire	6

Most Categories read

Rank	Categories	Times
1	History	13
2	Classics	11
3	Action and Adventure	9
4	Detective and Mystery	9
5	Science Fiction	8
6	Short Stories	6

Most member read

Rank	Name	Page
1	Asad Saiyyad	1360
2	ahmed Asad	1055
3	Mohammed ALSaleh	570
4	Saud Abdourahman	550
5	Mike Jones	420
6	Joe Smith	376

Most member read by book

Rank	Name	Book read
1	Asad Saiyyad	7
2	ahmed Asad	7
3	Mohammed ALSaleh	5
4	Mike Jones	4
5	Joe Smith	4
6	Saud Abdourahman	3

The interface also shows a Solution Explorer on the right with a diagnostic tools panel displaying a diagnostics session of 33 seconds. The status bar at the bottom indicates the application is running on a Windows 10 machine.

Visual Studio interface showing the same web application running in the browser. The application displays a dashboard with four charts and tables. The charts are: Most book read, Most Categories read, Most member read, and Most member read by book. The tables show the top 6 items for each category.

Most book read

Rank	Book	Times
1	John Adams	10
2	1984	8
3	Life of Pi	7
4	To Kill a Mockingbird	7
5	Florida	6
6	The Ninth Fire	6

Most Categories read

Rank	Categories	Times
1	History	13
2	Classics	11
3	Action and Adventure	9
4	Detective and Mystery	9
5	Science Fiction	8
6	Short Stories	6

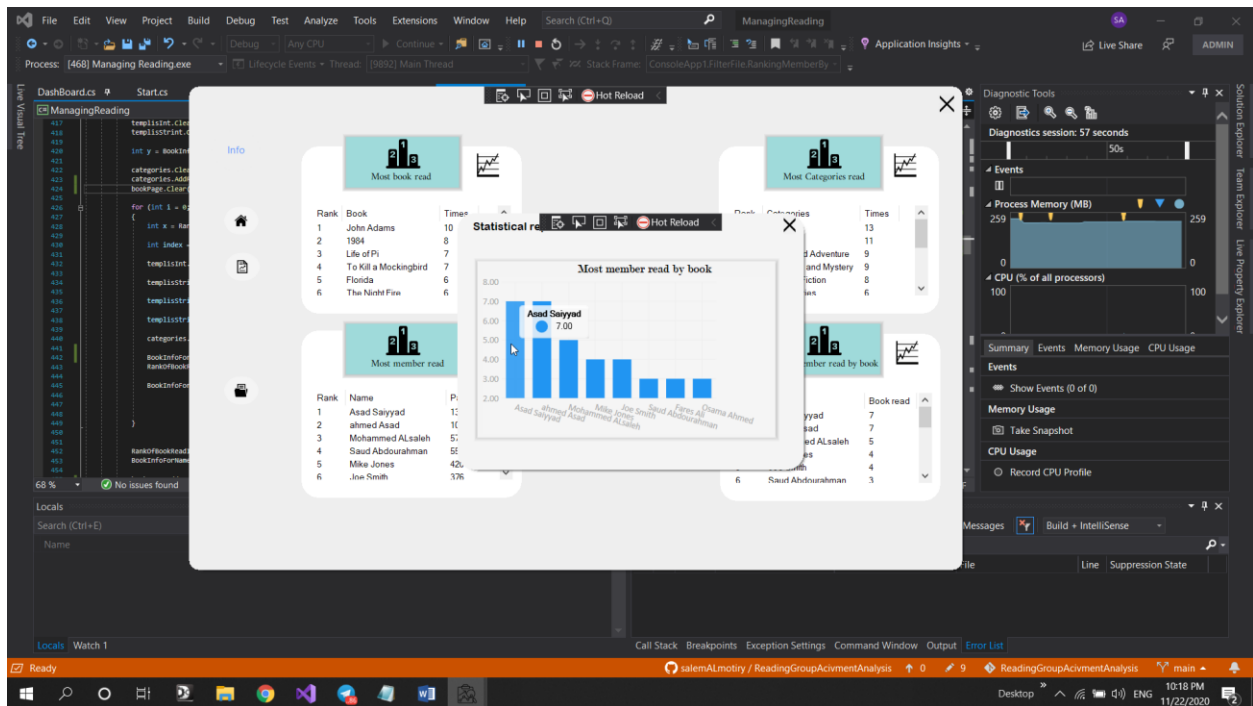
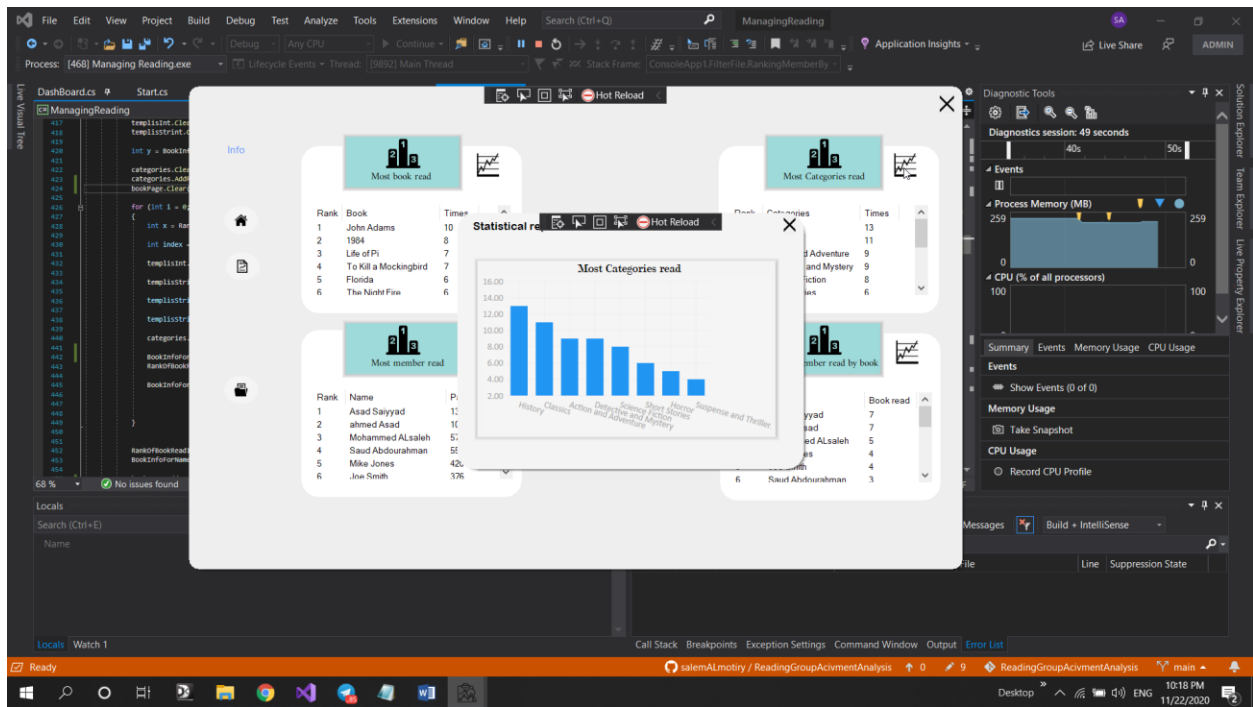
Most member read

Rank	Name	Page
1	Asad Saiyyad	1360
2	ahmed Asad	1055
3	Mohammed ALSaleh	570
4	Saud Abdourahman	550
5	Mike Jones	420
6	Joe Smith	376

Most member read by book

Rank	Name	Book read
1	Asad Saiyyad	7
2	ahmed Asad	7
3	Mohammed ALSaleh	5
4	Mike Jones	4
5	Joe Smith	4
6	Saud Abdourahman	3

The interface also shows a Solution Explorer on the right with a diagnostic tools panel displaying a diagnostics session of 38 seconds. The status bar at the bottom indicates the application is running on a Windows 10 machine.



Visual Studio interface showing the application running in Debug mode. The application is displaying a dashboard with four charts and a table of book data.

Most book read

Rank	Book	Times
1	John Adams	10
2	1984	8
3	Life of Pi	7
4	To Kill a Mockingbird	7
5	Florida	6
6	The Ninth Fire	6

Most Categories read

Rank	Categories	Times
1	History	13
2	Classics	11
3	Action and Adventure	9
4	Detective and Mystery	9
5	Science Fiction	8
6	Short Stories	6

Most member read

Rank	Name	Page
1	Asad Saiyyad	1360
2	ahmed Asad	1055
3	Mohammed ALSaleh	570
4	Saud Abdourahman	550
5	Mike Jones	420
6	Joe Smith	376

Most member read by book

Rank	Name	Book read
1	Asad Saiyyad	7
2	ahmed Asad	7
3	Mohammed ALSaleh	5
4	Mike Jones	4
5	Joe Smith	4
6	Saud Abdourahman	3

The application is running in the Visual Studio environment, showing the source code on the left and the dashboard on the right. The dashboard displays four charts and a table of book data. The application is running in the Visual Studio environment, showing the source code on the left and the dashboard on the right.

Visual Studio interface showing the application running in Debug mode. The application is displaying a dashboard with four charts and a table of book data. A "More Info" dialog box is open, showing details for the selected book.

More Info

Categories : Classics

Page : 500

The application is running in the Visual Studio environment, showing the source code on the left and the dashboard on the right. The dashboard displays four charts and a table of book data. A "More Info" dialog box is open, showing details for the selected book.

Visual Studio interface showing the application running. The main window displays a dashboard with four charts:

- Most book read**:

Rank	Book	Times
1	John Adams	10
2	1984	8
3	Life of Pi	7
4	To Kill a Mockingbird	7
5	Florida	6
6	The Ninth Fire	6
- Most Categories read**:

Rank	Categories	Times
1	History	13
2	Classics	11
3	Action and Adventure	9
4	Detective and Mystery	9
5	Science Fiction	8
6	Short Stories	6
- Most member read**:

Rank	Name	Page
1	Asad Saiyyad	1360
2	ahmed Asad	1055
3	Mohammed ALSaleh	570
4	Saud Abdourahman	550
5	Mike Jones	420
6	Joe Smith	376
- Most member read by book**:

Rank	Name	Book read
1	Asad Saiyyad	7
2	ahmed Asad	7
3	Mohammed ALSaleh	5
4	Mike Jones	4
5	Joe Smith	4
6	Saud Abdourahman	3

The application is running in the background, and the dashboard is displayed in the foreground.

Visual Studio interface showing the application running. The main window displays a dashboard with four charts:

- Most book read**:

Rank	Book	Times
1	John Adams	10
2	1984	8
3	Life of Pi	7
4	To Kill a Mockingbird	7
5	Florida	6
6	The Ninth Fire	6
- Most Categories read**:

Rank	Categories	Times
1	History	13
2	Classics	11
3	Action and Adventure	9
4	Detective and Mystery	9
5	Science Fiction	8
6	Short Stories	6
- Most member read**:

Rank	Name	Page
1	Asad Saiyyad	1360
2	ahmed Asad	1055
3	Mohammed ALSaleh	570
4	Saud Abdourahman	550
5	Mike Jones	420
6	Joe Smith	376
- Most member read by book**:

Rank	Name	Book read
1	Asad Saiyyad	7
2	ahmed Asad	7
3	Mohammed ALSaleh	5
4	Mike Jones	4
5	Joe Smith	4
6	Saud Abdourahman	3

The application is running in the background, and the dashboard is displayed in the foreground. A "More Info" dialog box is open, showing the following details:

- Categories : History
- Page : 520

Visual Studio interface showing a web application running in the browser. The application displays a dashboard with four charts: Most book read, Most Categories read, Most member read, and Most member read by book. A modal window titled "More Info" is open, showing details for the selected item: Categories : Science Fiction and Page : 200.

Most book read

Rank	Book	Times
1	Jake Adams	10
2	1984	8
3	Life of Pi	7
4	To Kill a Mockingbird	7
5	Florida	6
6	The Ninth Fire	6

Most Categories read

Rank	Categories	Times
1	History	13
2	Classics	11
3	Action and Adventure	9
4	Detective and Mystery	9
5	Science Fiction	8
6	Soft Robotics	6

Most member read

Rank	Name	Page
1	Asad Saiyyad	1360
2	ahmed Asad	1055
3	Mohammed ALSaleh	570
4	Saud Abdourahman	550
5	Mike Jones	420
6	Joe Smith	376

Most member read by book

Name	Book read
Asad Saiyyad	7
ahmed Asad	7
Mohammed ALSaleh	5
Mike Jones	4
Joe Smith	4
Saud Abdourahman	3

More Info

Categories : Science Fiction

Page : 200