



# Informatics Institute of Technology Department of Computing

Module: 5COSC009C - OOP

Degree Program - BEngSE

Tutorial Group - Group D

Module Leader: Mr. Guganathan Poravi

# **Overnight Coursework 04**

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Introduction					
	ntend that is developed using angular and typescript. This contain web layout to insert and a for the library management system.				

# Codes for the programme

## 1. Main Menu

```
<div style="text-align:center">
 <br>
 <svg xm/ns="http://www.w3.org/2000/svg" x="0px" y="0px"
   width="50" height="50"
   viewBox="0 0 252 252"
   style="fill:#3498db;">
  <g transform="">
   <g fill="none" fill-rule="nonzero" stroke="none"</pre>
    stroke-width="1" stroke-linecap="butt" stroke-linejoin="miter" stroke-miterlimit="10"
    stroke-dasharray="" stroke-dashoffset="0" font-family="none" font-weight="none"
    font-size="none" text-anchor="none" style="mix-blend-mode: normal">
    <path d="M0,252v-252h252v252z"</pre>
       fill="none"></path>
    <g id="original-icon" fill="#3498db">
     <g id="surface1">
      <path
       d="M121.15385,0c-1.62801,0 -3.40745,0.34075 -4.84615,1.21154l-111.76442,67.84615c-
3.63462,2.19592 -5.33834,6.66346 -4.24038,10.90385c1.09795,4.24038 4.88401,7.26923
9.08654,7.26923h223.52885c5.14904,0 9.38942,-4.3161 9.38942,-9.69231c0,-4.08894 -2.34735,-
7.64783 -5.75481,-9.08654l-110.85577,-67.24038c-1.4387,-0.87079 -2.91526,-1.21154 -4.54327,-
1.21154zM121.15385,32.40865c11.50962,0 20.89904,9.38942 20.89904,20.89904c0,11.50962 -
9.38942,20.89904 -20.89904,20.89904c-11.50962,0 -20.89904,-9.38942 -20.89904,-20.89904c0,-
11.50962 9.38942,-20.89904 20.89904,-20.89904zM9.69231,96.92308v9.69231c0,5.33834
4.35397,9.69231 9.69231,9.69231v77.53846h29.07692v-77.53846c5.33834,0 9.69231,-4.35397
9.69231,-9.69231v-9.69231zM67.84615,96.92308v9.69231c0,5.33834 4.35397,9.69231
9.69231,9.69231v77.53846h29.07692v-77.53846c5.33834,0 9.69231,-4.35397 9.69231,-9.69231v-
9.69231zM126,96.92308v9.69231c0,5.33834 4.35397,9.69231 9.69231,9.69231v77.53846h29.07692v-
77.53846c5.33834,0 9.69231,-4.35397 9.69231,-9.69231v-
9.69231zM184.15385,96.92308v9.69231c0,5.33834 4.35397,9.69231
9.69231,9.69231v77.53846h29.07692v-77.53846c5.33834,0 9.69231,-4.35397 9.69231,-9.69231v-
9.69231zM19.38462,203.53846v19.38462h-9.69231c-5.33834,0 -9.69231,4.35397 -
9.69231,9.69231v9.69231c0,5.33834 4.35397,9.69231 9.69231,9.69231h222.92308c5.33834,0
9.69231,-4.35397 9.69231,-9.69231v-9.69231c0,-5.33834 -4.35397,-9.69231 -9.69231,-9.69231h-
9.69231v-19.38462z"></path>
     </g>
    </g>
    <path
```

```
d="M126,252c-69.58788,0 -126,-56.41212 -126,-126v0c0,-69.58788 56.41212,-126 126,-
126h0c69.58788,0 126,56.41212 126,126v0c0,69.58788 -56.41212,126 -126,126z"
    fill="none"></path>
    <path
     d="M126,246.96c-66.80436,0 -120.96,-54.15564 -120.96,-120.96v0c0,-66.80436 54.15564,-
120.96 120.96,-120.96v0c66.80436,0 120.96,54.15564 120.96,120.96v0c0,66.80436 -54.15564,120.96 -
120.96,120.96z"
    fill="none"></path>
    <path d="" fill="none"></path>
    <path d="" fill="none"></path>
   </g>
  </g>
 </svg>
 <br>
 <h2>Welcome to Library management system</h2><br>
</div>
<div c/ass="btn-group-horizontal btncenter">
<!--<h2 class="text-small-topic welcome">Select your function</h2><br>-->
<a routerLink="/componet/form-additem">
  <button type="button" class="btn btn-primary">Add Items</button>
 </a>
 <a routerLink="/componet/form-remitems">
  <button type="button" class="btn btn-secondary">Remove Items</button>
 </a>
 <a routerLink="/componet/form-borrowitem">
  <button type="button" class="btn btn-success">Borrow Item</button>
 </a>
 <br>
 <a routerLink="/componet/form-returnitem">
  <button type="button" class="btn btn-danger">Return Item</button>
 </a>
 <a routerLink="/componet/form-listitems">
  <button type="button" class="btn btn-warning">List Items</button>
 </a>
 <a routerLink="/componet/form-reportgen">
  <button type="button" class="btn btn-info">Generate report</button>
 </a>
 <br>><br>>
</div>
```

## **CSS**

```
.text-small-topic {
font-size: large;
h2 {
font-size: medium;
text-align: center;
padding-top: 3px;
. welcome \, \{ \,
margin-left: -43%;
button {
margin: 10px;
 width: 16.65%;
alignment: center;
 color: white;
}
.btncenter{
text-align: center;
```

## 2. Footer

```
<!-- Footer -->
<footer class="page-footer font-small special-color-dark pt-4">

<!-- Copyright -->
<div class="footer-copyright text-center py-3 bg-dark text-color">Copyright © 2018 | Westminster Library Management System |
Developed by Vikum Sanjeewa. All right reserved.
</div>
<!-- Copyright -->

</footer>
<!-- Footer -->

CSS

.text-color {
    color: white;
}
```

## 3. Add Item

```
<h2>Select item type</h2>
<br>
<div class="d-flex justify-content-center">
<div class='col-lg-3'>
  <a routerLink="/componet/item-book">
  <button type="button" c/ass="btn btn-outline-primary">Book</button>
  </a>
  <a routerLink="/componet/item-dvd">
  <button type="button" c/ass="btn btn-outline-primary">DVD</button>
  </a>
</div>
</div>
CSS
h2 {
text-align: center;
}
a {
margin: 35px;
```

#### 4. Book

```
<form class="form-verticle">
 <fieldset>
  <!-- Form Name -->
  <legend>Add a book</legend>
  <div c/ass="form-row">
  <div class="col-md-3 mb-3">
   <label class="control-label" for="ISBN">ISBN</label>
    <input id="ISBN" name="ISBN" type="text" placeholder="Enter isbn of the book" class="form-</pre>
control input-md"
       required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Topic">Topic</label>
    <input id="Topic" name="Topic" type="text" placeholder="Enter the topic" class="form-control</pre>
input-md"
       required="">
  </div>
  <div c/ass="col-md-3 mb-3">
   <label class="control-label" for="Sector">Sector</label>
    <input id="Sector" name="Sector" type="text" placeholder="Enter the category" class="form-
control input-md"
       required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Publish Date">Publish Date</label>
    <input id="Publish Date" name="Publish Date" type="text" placeholder="Enter the date of
publish"
       class="form-control input-md" required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Author Details">Author Details</label>
    <input id="Author Details" name="Author Details" type="text" placeholder="Enter Author</pre>
Details"
       class="form-control input-md" required="">
```

```
</div>
  <!-- Text input-->
  <div class="col-md-3 mb-3">
   <|abel class="control-label" for="Publisher Details">Publisher Details</|label>
    <input id="Publisher Details" name="Publisher Details" type="text" placeholder="Enter Publisher
Details"
        class="form-control input-md" required="">
  </div>
  <!-- Text input-->
  <div class="col-md-3 mb-3">
   <label class="control-label" for="NO of pages">NO of pages</label>
    <input id="NO of pages" name="NO of pages" type="text" placeholder="no of pages" class="form-
control input-md"
        required="">
  </div>
  </div>
  <!-- Button -->
  <div class="form-group">
   <ladel class="col-md-4 control-label" for=""></label>
   <div class="col-md-4">
    <button id="" name="" class="btn btn-success">Submit</button>
   </div>
  </div>
 </fieldset>
</form>
```

#### 5. DVD

```
<form class="form-horizontal">
 <fieldset>
  <!-- Form Name -->
  <legend>Add a DVD</legend>
<div c/ass="form-row">
  <div class="col-md-3 mb-3">
   <|abel class="control-label" for="ISBN">ISBN</label>
    <input id="ISBN" name="ISBN" type="text" placeholder="Enter isbn of the book" class="form-</pre>
control input-md"
        required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Topic">Topic</label>
    <input id="Topic" name="Topic" type="text" placeholder="Enter the topic" class="form-control</pre>
input-md"
       required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Sector">Sector</label>
    <input id="Sector" name="Sector" type="text" placeholder="Enter the category" class="form-
control input-md"
       required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Publish Date">Publish Date</label>
    <input id="Publish Date" name="Publish Date" type="text" placeholder="Enter the date of
publish"
       class="form-control input-md" required="">
  </div>
  <div class="col-md-3 mb-3">
   <|abel class="control-label" for="Actors Details">Actors Details</label>
    <input id="Actors Details" name="Actors Details" type="text" placeholder="Enter Actors Details"
       class="form-control input-md" required="">
  </div>
```

```
<div class="col-md-3 mb-3">
   <label class="control-label" for="Producer Details">Producer Details</label>
    <input id="Producer Details" name="Producer Details" type="text" placeholder="Enter Producer
Details"
       class="form-control input-md" required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Language">Language</label>
    <input id="Language" name="Language" type="text" placeholder="Enter the Language"</pre>
class="form-control input-md"
       required="">
  </div>
  <div class="col-md-3 mb-3">
   <label class="control-label" for="Subtitles">Subtitles</label>
    <input id="Subtitles" name="Subtitles" type="text" placeholder="Subtitles Language"</pre>
       class="form-control input-md" required="">
  </div>
</div>
  <!-- Button -->
  <div class="form-group">
   <label class="col-md-4 control-label" for=""></label>
   <div c/ass="col-md-4">
    <button id="" name="" class="btn btn-success">Submit</button>
   </div>
  </div>
 </fieldset>
</form>
```

### 6. Remove item

```
<form class="needs-validation" novalidate>
 <div c/ass="form-row">
  <div class="col-md-6 mb-3">
   <label for="validationTooltip03">Topic</label>
   <input type="text" class="form-control" id="validationTooltip03" placeholder="Topic of book or
DVD" required>
  </div>
  <div c/ass="col-md-3 mb-3">
   <label for="validationTooltip04">ISBN</label>
   <input type="text" class="form-control" id="validationTooltip04" placeholder="ISBN" required>
  </div>
  <div class="col-md-3 mb-3">
   <label for="validationTooltip05">Type</label>
   <input type="text" class="form-control" id="validationTooltip05" placeholder="Book or DVD"</pre>
required>
  </div>
</div>
 <button class="btn btn-danger" type="submit">Remove Item</button>
</form>
```

#### 7. Borrow item

```
<form class="needs-validation" novalidate>
 <div c/ass="form-row">
  <div class="col-md-4 mb-3">
   <label for="validationTooltip01">Reader's first name</label>
   <input type="text" class="form-control" id="validationTooltip01" placeholder="First name"
required>
  </div>
  <div class="col-md-4 mb-3">
   <label for="validationTooltip02">Reader's last name</label>
   <input type="text" class="form-control" id="validationTooltip02" placeholder="Last name"
required>
  </div>
  <div class="col-md-4 mb-3">
   <label for="validationTooltipUsername">UserID</label>
   <div class="input-group">
    <div class="input-group-prepend">
     <span class="input-group-text" id="validationTooltipUsernamePrepend">@</span>
    </div>
    <input type="text" class="form-control" id="validationTooltipUsername"
placeholder="Username"
       aria-describedby="validationTooltipUsernamePrepend" required>
   </div>
  </div>
 </div>
 <div class="form-row">
  <div class="col-md-6 mb-3">
   <label for="validationTooltip03">Item Title</label>
   <input type="text" class="form-control" id="validationTooltip03" placeholder="Book or DVD title"
required>
  </div>
  <div class="col-md-3 mb-3">
   <label for="validationTooltip04">ISBN</label>
   <input type="text" class="form-control" id="validationTooltip04" placeholder="ISBN" required>
  </div>
  <div class="col-md-3 mb-3">
```

<input typ<br=""/>	="validationTooltip pe="text" class="for			<b>)5"</b> placeholder="	Date" required>		
	 <button class="btn btn-primary" type="submit">Borrow</button>						

### 8. Return item

```
<form class="needs-validation" novalidate>
 <div class="form-row">
  <div class="col-md-6 mb-3">
   <label for="validationTooltip03">Topic</label>
   <input type="text" class="form-control" id="validationTooltip03" placeholder="Topic of book or</pre>
DVD" required>
  </div>
  <div class="col-md-3 mb-3">
   <label for="validationTooltip04">ISBN</label>
   <input type="text" class="form-control" id="validationTooltip04" placeholder="ISBN" required>
  </div>
  <div class="col-md-3 mb-3">
   <label for="validationTooltip05">Type</label>
   <input type="text" class="form-control" id="validationTooltip05" placeholder="Book or DVD"</pre>
required>
  </div>
</div>
 <button class="btn btn-primary" type="submit">Return Item</button>
</form>
```

# 9. Generate Report

```
HTML

    >>> Report Generation Completed <<<<
</p>

CSS

p {
    text-align: center;
}
```

```
10. List items
HTML
<div class="container">
<div class="row">
 <div class="col-md-12">
  <h4>List of items</h4>
  <div class="table-responsive">
  <thead>
   Type
   ISBN
   Topic
   Author Details
   Publisher/Creator
   In
   Borrowed
   </thead>
   Book
   2324DFFCS
    Object oriented JAVA
    Sashika Sandeepana
    ISDT india
    <button class="btn btn-
primary btn-xs" data-title="Edit" data-toggle="modal" data-target="#edit" ><span class="glyphicon"</pre>
glyphicon-pencil"></span></button>
    <button class="btn btn-
danger btn-xs" data-title="Delete" data-toggle="modal" data-target="#delete" ><span
class="glyphicon glyphicon-trash"></span></button>
   Book
    we54d5s121
    MySQL
   Danu de silva
    Printing co
    <button class="btn btn-
primary btn-xs" data-title="Edit" data-toqqle="modal" data-tarqet="#edit" ><span class="glyphicon"
glyphicon-pencil"></span></button>
```

<button class="btn btn-

```
danger btn-xs" data-title="Delete" data-toggle="modal" data-target="#delete" ><span
class="glyphicon glyphicon-trash"></span></button>
   Book
    sa564s8a
    AngularJs
    Robert w. perera
    T & A printing
    <button class="btn btn-
primary btn-xs" data-title="Edit" data-toggle="modal" data-target="#edit" ><span class="glyphicon"
glyphicon-pencil"></span></button>
    <button class="btn btn-
danger btn-xs" data-title="Delete" data-toggle="modal" data-target="#delete" >< span
class="glyphicon glyphicon-trash"></span></button>
   DVD
    ds5d445
    Be a pro in photoshop cc 2019 
    Mark filtix
    Digital work production
    <button class="btn btn-
primary btn-xs" data-title="Edit" data-toggle="modal" data-target="#edit" ><span class="glyphicon"</pre>
glyphicon-pencil"></span></button>
    <button class="btn btn-
danger btn-xs" data-title="Delete" data-toqqle="modal" data-tarqet="#delete" ><span
class="glyphicon glyphicon-trash"></span></button>
   </div>
</div>
</div>
</div>
```

# 11. App component HTML

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<app-navbar></app-navbar>
<app-main-menu></app-main-menu>
<div class="card cardcss">
<div class="card-body">

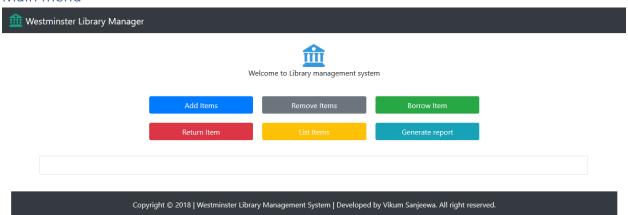
<router-outlet></router-outlet>
</div>
</div>
<div class="card-footer footercss">
<app-footer></app-footer></div>
</div>
```

#### 12. Index.html

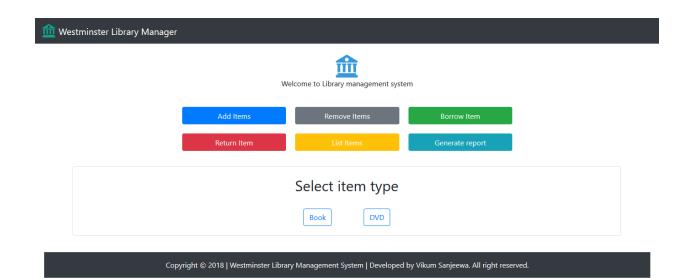
```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
 <title>Westminster Library Management System</title>
 <base href="/">
<meta name="viewport" content="width=device-width, initial-scale=1">
 k re/="icon" type="image/x-icon" href="https://img.icons8.com/metro/52/3498db/library.png">
<!--Adding bootstrap -->
<link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"</pre>
integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy"
crossorigin="anonymous"></script>
 k href="//maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" re/="stylesheet"
id="bootstrap-css">
<script src="//maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
<script src="//code.jquery.com/jquery-1.11.1.min.js"></script>
 link href="//maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css"
rel="stylesheet">
</head>
<body>
<app-root></app-root>
<router-outlet></router-outlet>
 <br>
 <br>
<app-footer></app-footer>
</body>
</html>
```

# Screenshots

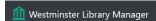
### Main menu



## Add item menu

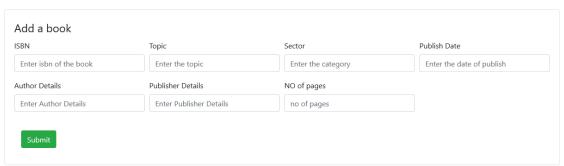


## Form to add books









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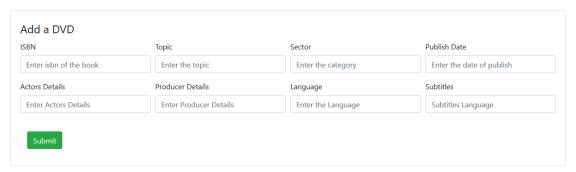
### Form to add DVD

m Westminster Library Manager



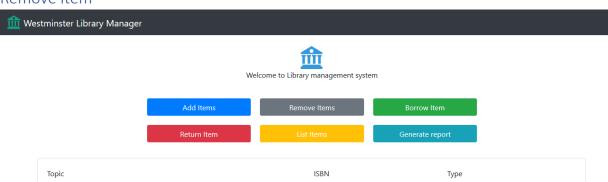
Welcome to Library management system





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### Remove item



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ISBN

Book or DVD

### Borrow item

Topic of book or DVD



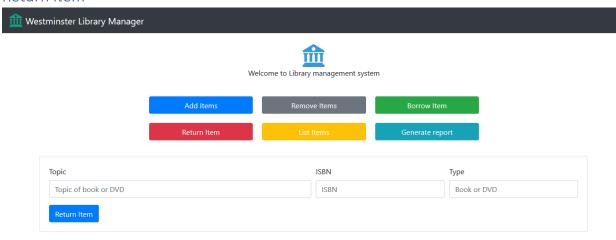
Welcome to Library management system





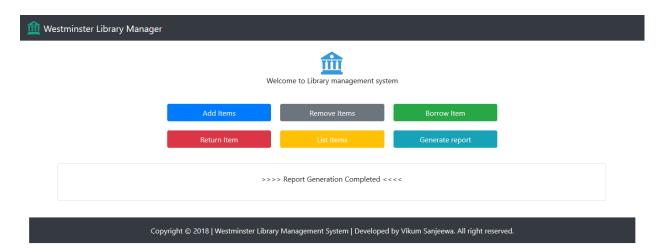
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### Return item

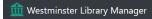


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## Generate report



## List items







Туре	ISBN	Торіс	Author Details	Publisher/Creator	In	Borrowed
Book	2324DFFCS	Object oriented JAVA	Sashika Sandeepana	ISDT india	-	-
Book	we54d5s121	MySQL	Danu de silva	Printing co		-
Book	sa564s8a	AngularJs	Robert w. perera	T & A printing		-
DVD	ds5d445	Be a pro in photoshop cc 2019	Mark filtix	Digital work production		

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