

Lab Task 6

Ionic Framework: Menu & Video

Objective:

- Apply menu in design
- Use video in application

Task 1: Menu

STEP 1:

Select project

```
C:\>cd TestApps
```

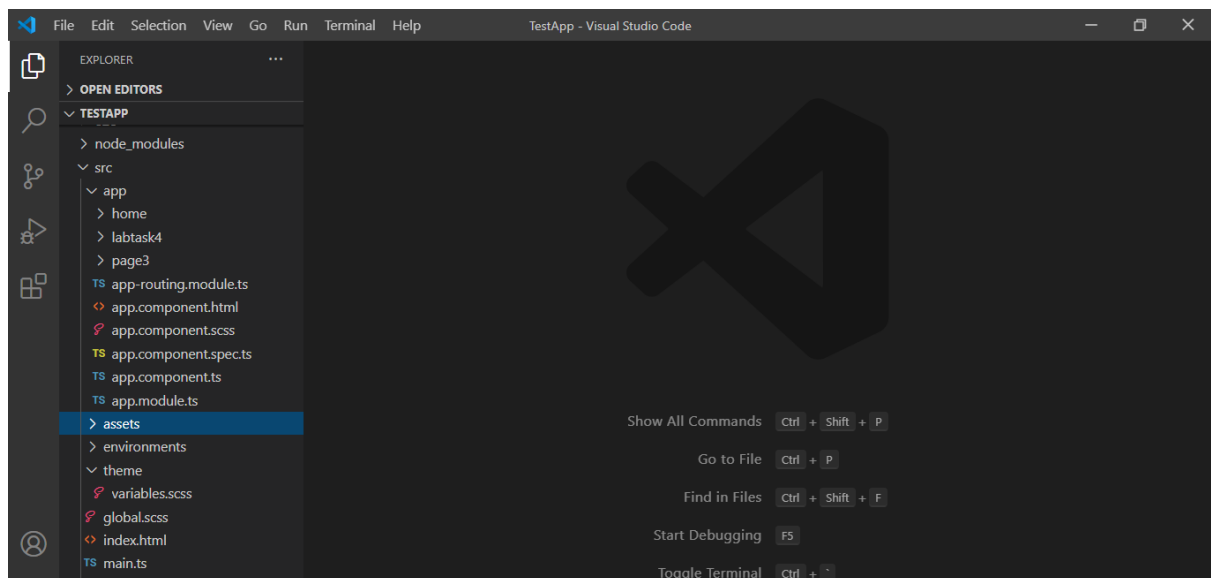
Run project

```
C:\TestApps>ionic serve -l
```

STEP 2:

Open your project in Visual Studio Code

Open project



STEP 3:

Modify your *src/app/app.component.html* as follow.

```

1 <ion-app>
2   <ion-menu content-id="main" menuId="main-menu" side="start" type="reveal">
3     <ion-header>
4       <ion-toolbar class="ion-text-center">
5         <ion-title class="ion-text-center">Menu</ion-title>
6       </ion-toolbar>
7     </ion-header>
8     <ion-content>
9       <ion-list>
10        <ion-item>
11          <ion-icon name="mail" slot="start"></ion-icon>
12          <ion-label>Inbox</ion-label>
13        </ion-item>
14        <ion-item>
15          <ion-icon name="paper-plane" slot="start"></ion-icon>
16          <ion-label>Outbox</ion-label>
17        </ion-item>
18        <ion-item>
19          <ion-icon name="heart" slot="start"></ion-icon>
20          <ion-label>Favorites</ion-label>
21        </ion-item>
22      </ion-list>
23    </ion-content>
24  </ion-menu>
25  <ion-router-outlet id="main"></ion-router-outlet>
26 </ion-app>

```

STEP 4:

Now, modify your *src/app/home/home.page.html* as follow.

```

1 <ion-content>
2   <ion-header>
3     <ion-toolbar class="ion-text-center">
4       <ion-title>Home</ion-title>
5       <ion-buttons slot="start">
6         <ion-menu-button menu="main-menu"></ion-menu-button>
7       </ion-buttons>
8     </ion-toolbar>
9   </ion-header>
10  <ion-content>
11
12 </ion-content>

```

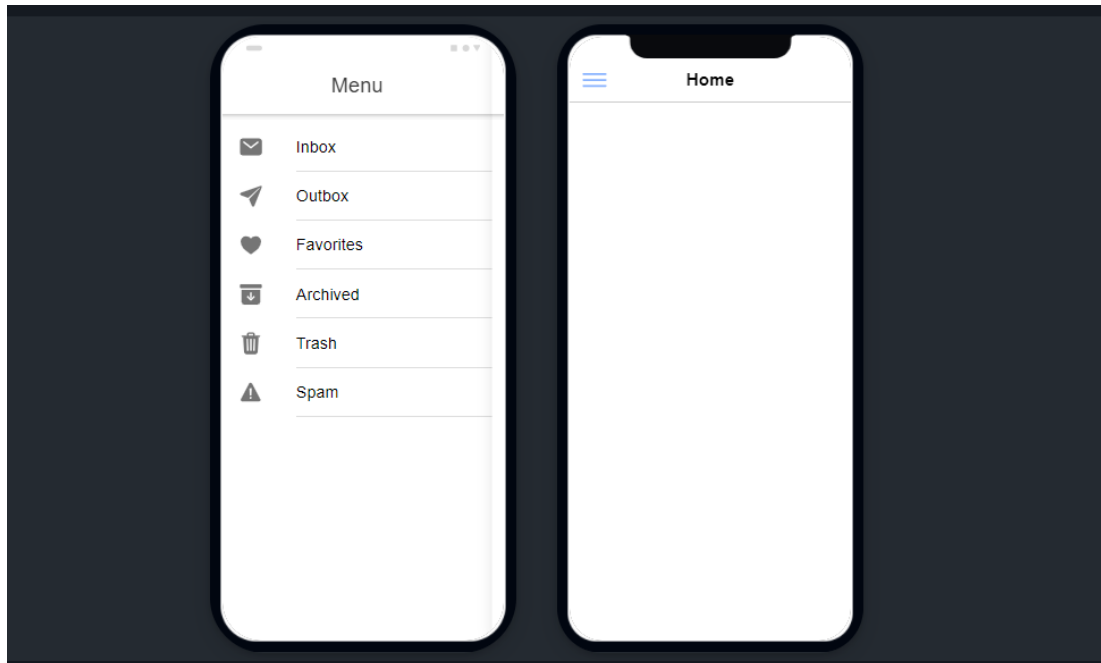
STEP 5:

Run the application using ionic serve command:

ionic serve -l

STEP 6:

The result will looks like this.



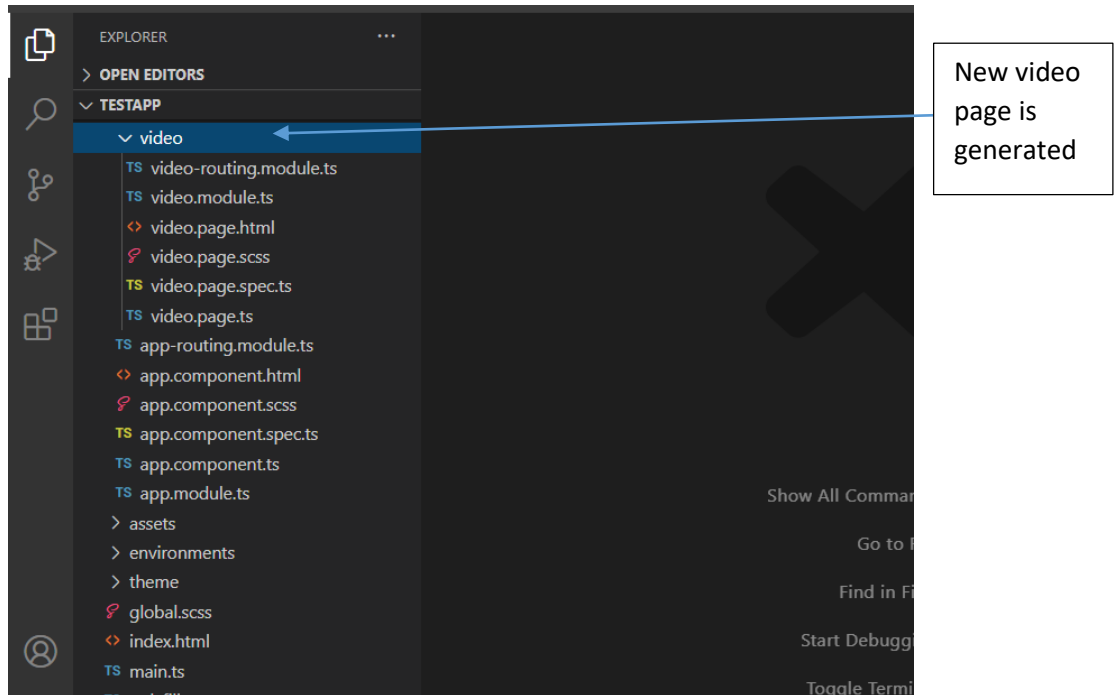
Task 1: Video**STEP 1:**

Generate new page using the following command.

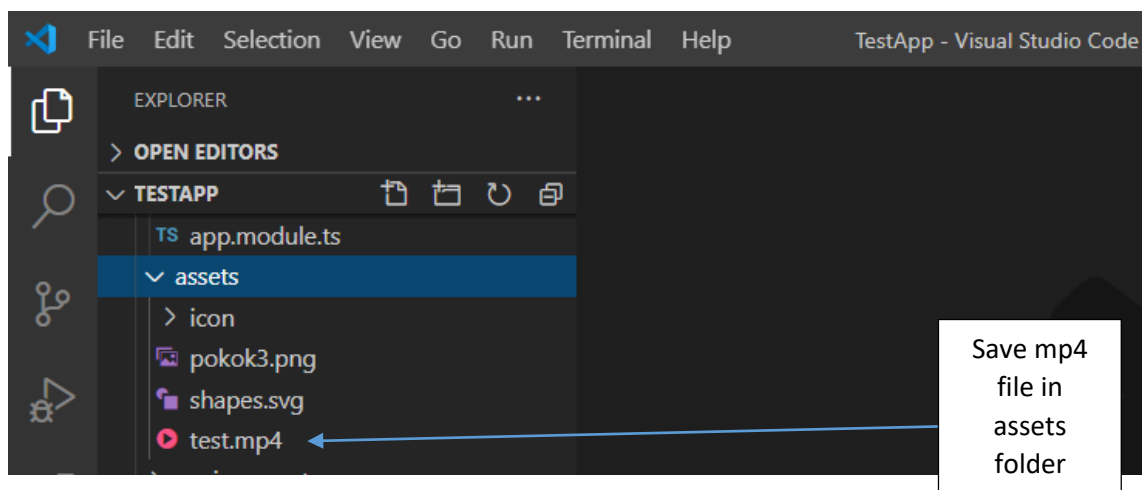
ionic g page video

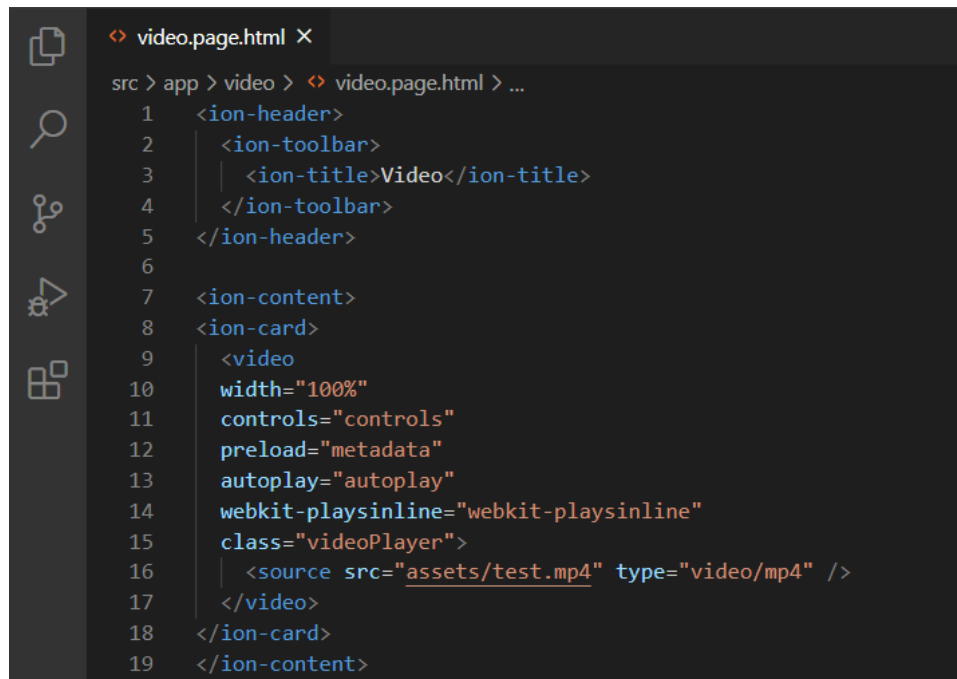
STEP 2:

New video page folder will be generated.

**STEP 3:**

Find a video file and save in assets folder. Then, modify your ***src/app/video/video.page.html*** as follow.





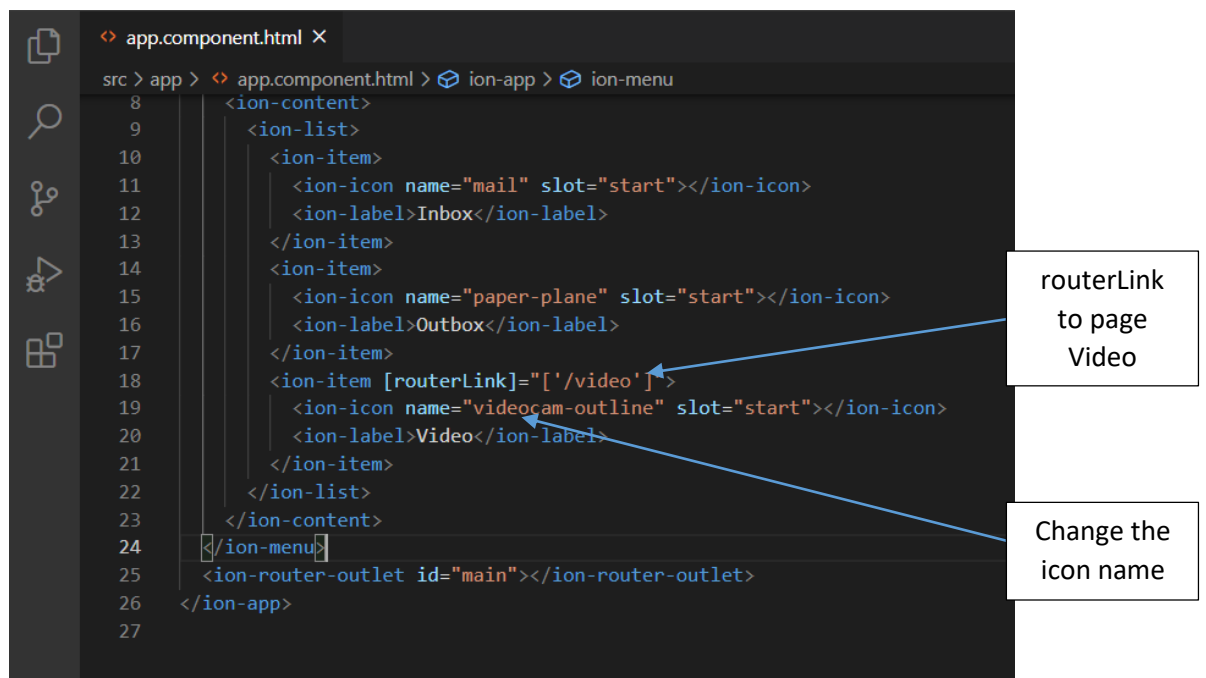
```

<> video.page.html X
src > app > video > <> video.page.html > ...
1  <ion-header>
2    <ion-toolbar>
3      <ion-title>Video</ion-title>
4    </ion-toolbar>
5  </ion-header>
6
7  <ion-content>
8    <ion-card>
9      <video
10         width="100%"
11         controls="controls"
12         preload="metadata"
13         autoplay="autoplay"
14         webkit-playsinline="webkit-playsinline"
15         class="videoPlayer">
16         <source src="assets/test.mp4" type="video/mp4" />
17       </video>
18     </ion-card>
19   </ion-content>

```

STEP 4:

Now, we try to link the menu we have created earlier to page video. Choose one of the menu button to link to video page. So, you need to modify your **src/app/app.component.html** as follow. Choose one item and change the icon and ion-label to Video. Then, add **routerLink** in ion-item to link the item to page video.



```

<> app.component.html X
src > app > <> app.component.html > ion-app > ion-menu
8  <ion-content>
9    <ion-list>
10     <ion-item>
11       <ion-icon name="mail" slot="start"></ion-icon>
12       <ion-label>Inbox</ion-label>
13     </ion-item>
14     <ion-item>
15       <ion-icon name="paper-plane" slot="start"></ion-icon>
16       <ion-label>Outbox</ion-label>
17     </ion-item>
18     <ion-item [routerLink]="['/video']">
19       <ion-icon name="videocam-outline" slot="start"></ion-icon>
20       <ion-label>Video</ion-label>
21     </ion-item>
22   </ion-list>
23 </ion-content>
24 </ion-menu>
25 <ion-router-outlet id="main"></ion-router-outlet>
26 </ion-app>
27

```

routerLink to page Video

Change the icon name

You can change the icon to video icon. To find more ionic icon, go to <https://ionicons.com/> website. Search for video icon and get the icon name.

The screenshot shows the Ionicons website interface. At the top, there's a navigation bar with 'Icons', 'Usage', 'GitHub', and 'Designer pack' links. The main heading is 'Beautifully crafted open source icons'. Below it, a search bar contains the text 'video'. A blue arrow points from a box labeled 'Search for icon' to the search bar. Below the search bar, there are tabs for 'App icons', 'Outline', 'Filled', and 'Sharp'. The 'Outline' tab is selected. Below the tabs, there are two icons: a video camera and a video camera with a slash. A blue arrow points from a box labeled 'Icon name' to the 'videocam-outline' icon. Below the icons, there's a section for 'videocam-outline' showing the 'WEB COMPONENT CODE' as `<ion-icon name="videocam-outline"></ion-icon>`. A blue arrow points from the 'Icon name' box to the 'name' attribute in the code.

STEP 5:

Run the application using ionic serve command:

ionic serve -l

STEP 6:

The result will look like this.

