Below is the index.html which will form the basis of how our app looks.

```html
<!DOCTYPE html>

<html>

 <head>

        <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1,
    minimum-scale=1, user-scalable=no, minimal-ui">

    <meta name="apple-mobile-web-app-capable" content="yes">

    <meta charset="utf-8">

    <meta http-equiv="Content-Security-Policy" content="default-src * 'unsafe-inline' 'unsafe-
    eval' ; img-src * data: 'unsafe-inline'">


    <title>ProTA</title>

    <script src="cordova.js"></script>

    <link rel="apple-touch-icon" href="res/images/icon.png" />

    <link href="res/images/startup-image.png" media="(device-width: 375px) and (device-height:
    667px) and (-webkit-device-pixel-ratio: 2)" rel="apple-touch-startup-image">

    <link rel="stylesheet"  type="text/css" href="res/css/framework7.css">

    <link rel="stylesheet" type="text/css" href='/Documents/res/css/framework7.css' />

    <link rel="stylesheet"  type="text/css" href="res/css/main.css">

    <link rel="stylesheet" type="text/css" href='/Documents/res/css/main.css' />

    <link rel="stylesheet" type="text/css" href='/Documents/res/css/main.css' />

    <link rel="stylesheet" type="text/css"
    href='file:///data/data/com.prota.prota.mobile/files/files/res/css/main.css' />




        <script type='text/javascript' src='/Documents/res/js/jquery.js'></script>

        <script type='text/javascript'
    src="file:///data/data/com.prota.prota.mobile/files/files/res/js/jquery.js"></script>

        <script type='text/javascript' src="res/js/jquery.js"></script>
```

```html
        <script type='text/javascript' src="res/js/framework7.min.js"></script>

        <script type='text/javascript'
    src="'file:///data/data/com.prota.prota.mobile/files/files/res/js/framework7.min.js"></script>

        <script type='text/javascript' src='res/js/main.js'></script>

        <script type='text/javascript' src='/Documents/res/js/main.js'></script>

        <script type='text/javascript'
    src='file:///data/data/com.prota.prota.mobile/files/files/res/js/main.js'></script>

        <script type='text/javascript' src='res/js/teacher.js'></script>

        <script type='text/javascript' src='res/js/student.js'></script>

        <script type='text/javascript' src='res/js/class.js'></script> <!-- This is a class js file -->

        <script type='text/javascript' src='res/js/custom.js'></script>
    </head>


    <body>
      <div class='views'>
        <div class='view view-main'>
          <div class='pages navbar-fixed'>
            <div data-page="home" class="page">
              <div class="navbar">
                <div class="navbar-inner navbar-on-center">
                  <div class="left">
                  </div>
                  <div class="center">ProTa</div>
                  <div class="center">
                     <input type="text" placeholder="add class" class="class-add" />
                  </div>
                  <div class="right"><i class="icon icon-plus" pro-click="pro.openPopup" popup-id="#class-builder" name="addClass"></i></div>
                </div>
              </div>
```

```html
<form class="searchbar searchbar-init" data-search-list=".list-block-search" data-search-in=".item-title" data-found=".searchbar-found" data-not-found=".searchbar-not-found">

    <div class="searchbar-input">

      <input class="class-search" type="search" placeholder="Search">

      <a href="#" class="searchbar-clear"></a>

    </div>

    <a href="#" class="searchbar-cancel"></a>

</form>

<div class="searchbar-overlay"></div>

<div class="page-content">

  <div class="list-block searchbar-not-found" style="display: none;">

    <ul>

      <li class="item-content">

        <div class="item-inner">

          <div class="item-title">Nothing found</div>

        </div>

      </li>

    </ul>

  </div>

  <div class="list-block media-list list-block-search searchbar-found">

    <ul>

      <li>

        <a href="#" class="item-link item-content" pro-click="pro.openPage" page-id="#class-template">

          <div class="item-inner">

            <div class="item-title-row">

              <div class="item-title">4444 CSCE</div>

            </div>

            <div class="item-subtitle">11:30</div>
```

```
            </div>
          </a>
        </li>
        <li>
          <a href="#" class="item-link item-content">
            <div class="item-inner">
              <div class="item-title-row">
                <div class="item-title">3600 CSCE</div>
              </div>
              <div class="item-subtitle">1:30</div>
            </div>
          </a>
        </li>
        <li>
          <a href="#" class="item-link item-content">
            <div class="item-inner">
              <div class="item-title-row">
                <div class="item-title">4444 CSCE</div>
              </div>
              <div class="item-subtitle">11:30</div>
            </div>
          </a>
        </li>
      </ul>
    </div>
  </div>
</div>
</div>
```

```html
<script type="text/template" id="class-template">
<div class="page with-subnavbar" data-page="class">
 <div class="navbar">
    <div class="navbar-inner">
      <div class="center">Class</div>
      <div class="right"><i class="icon icon-plus" pro-click="pro.openPopup" popup-id="#class-builder"></i><i class="icon icon-close" pro-click="pro.closePage"></i></div>
      <div class="subnavbar">
       <div class="buttons-row">
         <!-- Link to 1st tab, active -->
         <a href="#tab1" class="button active tab-link">Tab 1</a>
         <!-- Link to 2nd tab -->
         <a href="#tab2" class="button tab-link">Tab 2</a>
         <!-- Link to 3rd tab -->
         <a href="#tab3" class="button tab-link">Tab 3</a>
     </div>
     </div>
     </div>
     </div>
     <div class="tabs-swipeable-wrap">
      <!-- Tabs, tabs wrapper -->
      <div class="tabs">
        <!-- Tab 1, active by default -->
        <div id="tab1" class="page-content tab active">
         <div class="content-block">
         <div class="list-block media-list">
           <ul>
            <li>
```

```html
                <a href="#" class="item-link item-content" pro-click="pro.openPage" page-id="#class-
template">
                  <div class="item-inner">
                   <div class="item-title-row">
                    <div class="item-title">4444 CSCE</div>
          </div>
                    <div class="item-subtitle">11:30</div>
          </div>
          </a>
          </li>
              <li>
                 <a href="#" class="item-link item-content">
                  <div class="item-inner">
                   <div class="item-title-row">
                    <div class="item-title">3600 CSCE</div>
          </div>
                    <div class="item-subtitle">1:30</div>
          </div>
          </a>
          </li>
              <li>
                 <a href="#" class="item-link item-content">
                  <div class="item-inner">
                   <div class="item-title-row">
                    <div class="item-title">4444 CSCE</div>
          </div>
                    <div class="item-subtitle">11:30</div>
          </div>
          </a>
```

```html
              </li>
            </ul>
          </div>
        </div>
      </div>
        <!-- Tab 2 -->
        <div id="tab2" class="page-content tab">
         <div class="content-block">
           <div class="list-block media-list">
            <ul>
             <li>
               <a href="#" class="item-link item-content" pro-click="pro.openPage" page-id="#class-
template">
                 <div class="item-inner">
                  <div class="item-title-row">
                   <div class="item-title">4444 CSCE</div>
        </div>
                   <div class="item-subtitle">11:30</div>
        </div>
        </a>
        </li>
            <li>
              <a href="#" class="item-link item-content">
               <div class="item-inner">
                 <div class="item-title-row">
                  <div class="item-title">3600 CSCE</div>
        </div>
                 <div class="item-subtitle">1:30</div>
        </div>
```

```html
            </a>
          </li>
              <li>
            <a href="#" class="item-link item-content">
              <div class="item-inner">
               <div class="item-title-row">
                <div class="item-title">4444 CSCE</div>
          </div>
                <div class="item-subtitle">11:30</div>
          </div>
          </a>
          </li>
          </ul>
          </div>
          </div>
          </div>
            <!-- Tab 3 -->
            <div id="tab3" class="page-content tab">
             <div class="content-block">
               <div class="list-block media-list">
                <ul>
                 <li>
                   <a href="#" class="item-link item-content" pro-click="pro.openPage" page-id="#class-
template">
                     <div class="item-inner">
                       <div class="item-title-row">
                        <div class="item-title">4444 CSCE</div>
          </div>
                        <div class="item-subtitle">11:30</div>
```

```html
        </div>
      </a>
    </li>
        <li>
          <a href="#" class="item-link item-content">
            <div class="item-inner">
              <div class="item-title-row">
                <div class="item-title">3600 CSCE</div>
</div>
                <div class="item-subtitle">1:30</div>
</div>
      </a>
    </li>
        <li>
          <a href="#" class="item-link item-content">
            <div class="item-inner">
              <div class="item-title-row">
                <div class="item-title">4444 CSCE</div>
</div>
                <div class="item-subtitle">11:30</div>
</div>
      </a>
    </li>
    </ul>
    </div>
    </div>
    </div>
    </div>
    </div>
```

```html
    </div>

  </script>


  <script type="text/template" id="class-builder">
  <div class="popup">
   <div class="navbar">
      <div class="navbar-inner">
        <div class="center">My Page</div>
        <div class="right"><a href="#" class="close-popup"><i class="icon icon-close"></i></a></div>
    </div>
    </div>
    <div class="page" data-page="my-page">
      <div class="page-content">
        <p>Here comes page content</p>
    </div>
    </div>
    </div>
  </script>


 </div>
</div>


<script>

 document.addEventListener( "deviceready", function () {
  console.log( 'deviceready is called' );
  StatusBar.show();
  StatusBar.overlaysWebView( true );
```

```
      if( cordova.platformId != 'android' )

      {

        window.screen.lockOrientation( 'portrait' );

        StatusBar.styleDefault();

      }

      else

      {

        StatusBar.backgroundColorByHexString( "#797979" );

      }

    } );

    pro.init();

  </script>

 </body>




 <!-- js includes -->

</html>
```

Classes

The Class class

```
class Class {

  constructor (name, time) { // This is how we'll create new classes

    this.name = name;

    this.time = time;

  }

  getTime() {

     console.log (this.time);

  }

  getName () {

    console.log (this.name);

  }

}


The Student Class

class Student {

 //name is needed to identify Student

 constructor(name, id) {

   this.name = name;

   this.id = id;

 }


 checkIn(date){

   console.log("Student "+ this.name + " just checked in on " + date);

 }


}
```

The Student Class

The Teacher Class

```
class Teacher {

 //name is needed to identify Student

 constructor(name) {

   this.name = name;

 }


 newClass(){

   console.log("new class created for "+ this.name);

 }


 addGrades(){

   console.log("grades added");

 }


 getAnalytics(){

   console.log("view")

 }
}
```

Because our project will be written in JavaScript, specifically jQuery, it is very important that there is a file specifically dedicated to the functions and event handlers that we will need to build our app. We have placed this code in a file name custom.js, below is the beginning sample of this file.

Custom.js

```
$(document).ready(function(){ // document ready event occurs after the DOM has been loaded making
                              it a great place to have your jQuery

 $(".icon-plus").click(function() {

  console.log ( $(".class-add" ).val() );

 });

});
```

Below is the js file that contains the functions that will be triggered upon page load

Main.js

```
var pro = {

 $view: 'null',


 init: function(){

  window.myApp = new Framework7();

  window.$$ = Dom7;

  pro.initF7();

  pro.loadView();

  pro.initSearchBar();

 },


 initF7: function(){

  window.mainView = myApp.addView('.view-main', {

   material: true,

   cache: false

  });

 },
```

```
loadView: function(){

  pro.setView();

  pro.initEventHandlers();

},


setView: function() {

                pro.$view = $( document.body ).find( '.view-main' );

        },


initEventHandlers: function(){

  pro.$view.on( 'click', '[pro-click]', function( e ){

    $elem = $(this);

    e.stopPropagation();

    var toCall = $elem.attr( 'pro-click' ).replace( /\(.*?\)/, '' );

    pro.methodCaller( toCall, $elem );

  });

  pro.$view.on( 'change', '[pro-change]', function( e ){

    $elem = $(this);

    e.stopPropagation();

    var toCall = $elem.attr( 'pro-change' ).replace( /\(.*?\)/, '' );

    pro.methodCaller( toCall, $elem );

  });

  $$(document).on('pageInit', function (e) {

    var page = e.detail.page;

    pro.refreshAutoInit(page);

  });

},
```

```javascript
refreshAutoInit: function( activeTab, prevElem ){

                    var autoInit = activeTab.find('[auto-init]');

                    autoInit = activeTab.attr('auto-init') ? autoInit.add( activeTab ) : autoInit;

                    autoInit.each( function(){

                            $elem = $(this);

                            pro.methodCaller( $elem.attr('auto-init').replace('@', ''), $elem,
prevElem );

                    });

            },


getObj: function( objString, itter, obj ){

            var objs = objString.split('.');

            var obj = obj ? obj[ objs[itter] ] : window[ objs[itter] ];

            itter++;

            if( typeof obj == 'function' )

                    return obj;

            else if( typeof obj == 'object' )

                    return pro.getObj( objString, itter, obj );

            else

                    return pro.methodExeption;

    },


methodCaller: function( toCall, $elem, prevElem ){

            var func = pro.getObj( toCall, 0 );

            if( func == pro.methodExeption )

                    prevElem = toCall;

            func.call( $elem, prevElem );

    },
```

```javascript
        methodExeption: function( funcName ){

                console.log( 'Exeption unhandled function', $(this), funcName );

        },


    openPage: function( id ){
     id = id ? id : this.attr('page-id');
     mainView.router.loadContent( pro.$view.find(id).html() );
    },


    closePage: function(){
      mainView.router.back();
    },


    openPopup: function( id ){
      id = id ? id : this.attr('popup-id');
      myApp.popup( pro.$view.find(id).html() );
    },


    initSearchBar: function(){
      var mySearchbar = myApp.searchbar('.searchbar', {
        searchList: '.list-block-search',
        searchIn: '.item-title'
      });
    },
};
```

Index.js

```js
// Initialize app
var myApp = new Framework7();


// If we need to use custom DOM library, let's save it to $$ variable:
var $$ = Dom7;


// Add view
var mainView = myApp.addView('.view-main', {
  // Because we want to use dynamic navbar, we need to enable it for this view:
  dynamicNavbar: true
});
```