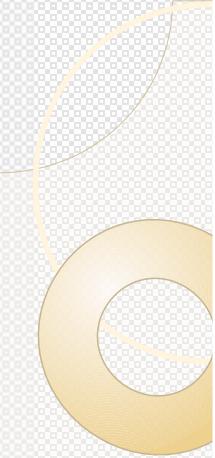




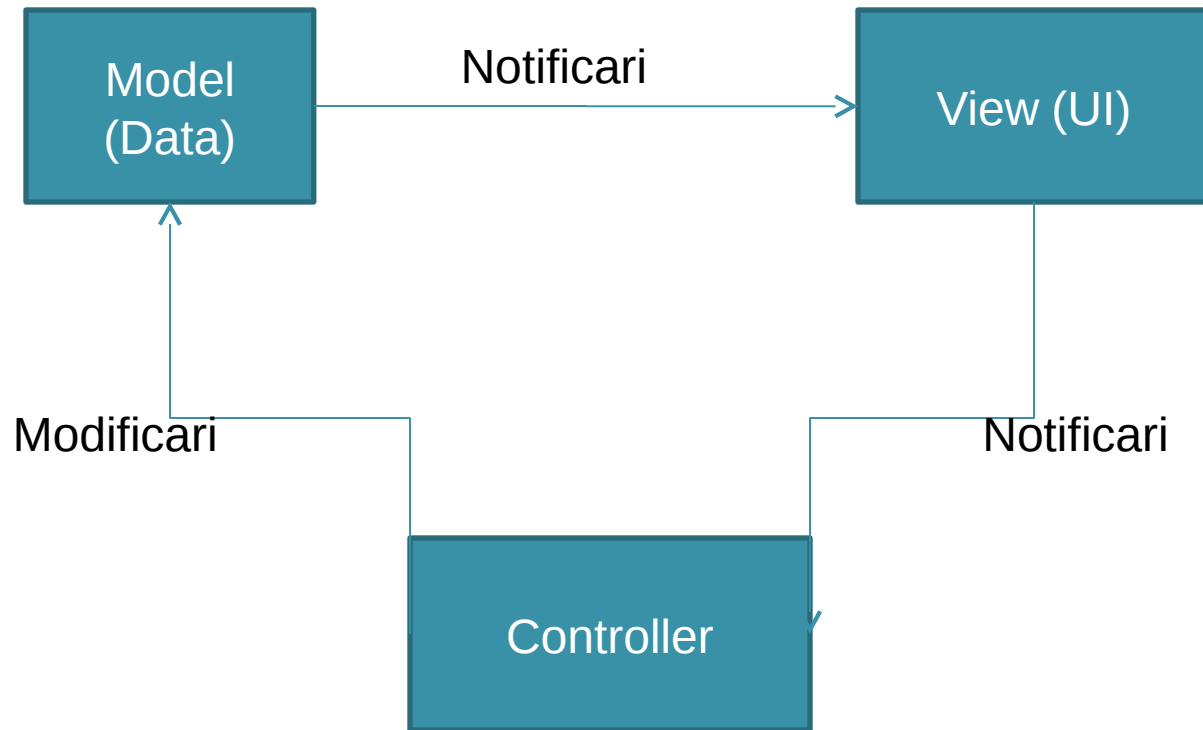
Aplicatie Web MVC

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Calculatoare IV 2015

- 
- Angular JS este un JavaScript framework folosit pentru crearea aplicatiilor web dinamice
 - Tehnologii folosite:
 - JQuery
 - Asp.Net MVC
 - SQL server
 - Identity Framework
 - Bootstrap

MVC (Model – View - Controller)





MVC (Model – View - Controller)

[Home](#)

[Login](#)

[Sign Up](#)

Welcome - WebTechnologies

Login

If you have Username and Password, you can use the button below to access the secured content using a token.

[Login »](#)

Sign Up

Use the button below to create Username and Password to access the secured content.

[Sign Up »](#)

Model – generate din baza de date

View – html & JQuery

Controller – AngularJs

Pasii pentru crearea unei pagini in Angular Js:

- Definirea controller-ului si a aplicatiei

```
<!DOCTYPE html>
<html data-ng-app="main" ng-controller="indexController">
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Web Technologies</title>
  @Styles.Render( "~/Content/css" )
  @Scripts.Render( "~/bundles/modernizr" )

  <base href="http://www.local.test.com/" />
</head>
<body>
```

- Creare javascript-ului care controleaza rutarea si face legatura dintre controller si view

```
'use strict';

var baseUrl = $("base").first().attr("href");

var app = angular.module('main', ['ngRoute', 'ui.router', 'ui.bootstrap', 'ui.bootstrap.tpls', 'LocalStorageModule', 'angular-loading-bar']);

app.config(function ($routeProvider, $locationProvider) {

  $routeProvider.when("/home", {
    controller: "indexController",
    templateUrl: "/home/main"
  });

});
```

● Crearea controller-ului

```
'use strict';
app.controller('loginController', ['$scope', '$location',
'authService', function ($scope, $location, authService) {

    $scope.loginData = {
        userName: "",
        password: ""
    };

    $scope.message = "";

    $scope.login = function (isValid) {

        if (isValid) {
            authService.login($scope.loginData).then(function (response) {

                $location.path('/home');

            },
            function (err) {
                $scope.message = err.error_description;
            });
        }
        else {
            return false;
        }
    };

}
});
```

● Crearea serviciului

```
var _login = function (loginData) {
    var role;
    var data = "grant_type=password&username=" +
        loginData.userName + "&password=" + loginData.password;

    var dataRole = "username=" +
        loginData.userName + "&password=" + loginData.password;

    var deferred = $q.defer();

    $http.post(serviceBase + 'api/account/userrole', dataRole, {
        headers:
            { 'Content-Type': 'application/x-www-form-urlencoded' }
    }).success(function (response) {
        role = response;
    }).then(function () {

        $http.post(serviceBase + 'token', data, {
            headers:
                { 'Content-Type': 'application/x-www-form-urlencoded' }
        }).success(function (response) {
            localStorageService.set('authorizationData',
                { token: response.access_token, userName: loginData.userName, role: role });

            _authentication.isAuth = true;
            _authentication.isAdmin = role != undefined && role == "administrator" ? true : false;
            _authentication.userName = loginData.userName;

            deferred.resolve(response);

        }).error(function (err, status) {
            _logout();
            deferred.reject(err);
        });
    });

    return deferred.promise;
};
```

● Crearea View-ului

```
<form name="userForm" class="form-login" role="form">
  <div class="row form-group">
    <div class="col-md-3">
      <h2 class="form-login-heading">Login</h2>
      <div class="form-group ng-form">
        <label>User Name:</label>
        <input type="text" class="form-control"
          placeholder="Username" data-ng-model="loginData.userName" required autofocus>
      </div>
      <div class="form-group">
        <label>Password:</label>
        <input type="password" class="form-control"
          placeholder="Password" data-ng-model="loginData.password" required>
      </div>
      <div class="form-group">
        <button class="btn btn-lg btn-info btn-block"
          type="submit" data-ng-click="login(userForm.$valid)">
          Login
        </button>
      </div>
      <div data-ng-hide="message == ''" class="alert alert-danger">
        <p>
          {{message}}
        </p>
      </div>
    </div>
  </div>
</form>
```

● Crearea web API-ului

```
// POST: /Account/Login
[HttpPost]
[AllowAnonymous]
[ValidateAntiForgeryToken]
public async Task<ActionResult> Login(LoginViewModel model, string returnUrl)
{
    if (ModelState.IsValid)
    {
        var user = await UserManager.FindAsync(model.UserName, model.Password);
        if (user != null)
        {
            await SignInAsync(user, model.RememberMe);
            return RedirectToLocal(returnUrl);
        }
        else
        {
            ModelState.AddModelError("", "Invalid username or password.");
        }
    }

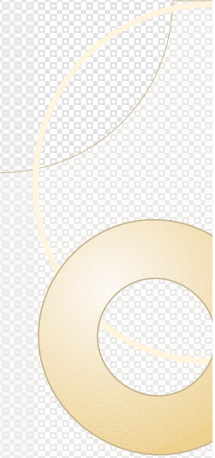
    // If we got this far, something failed, redisplay form
    return View(model);
}
```

Login

User Name:

Password:

The user name or password is incorrect.



Aplicatia Web

- Este o aplicatie de gestionare a bazei de date
- Permite crearea si stergerea userilor din baza de date
- Are un sistem de logare si inregistrare dinamic
- Permite crearea, editarea si stergerea studentilor din baza de date

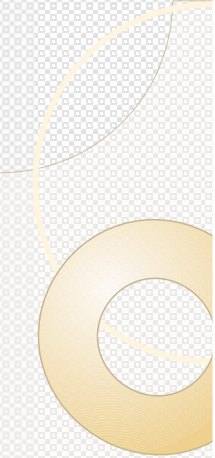
Aplicatia Web

[Home](#) [Students](#) [Users](#)

Welcome cristy [Logout](#)

Add Student

First Name	Last Name	Email Address	University	Country	Actions	
Ilovan	Cristian	test1@test.com	Petru Maior	Roumanie	Update	Delete
Moldovan	Horea	test2@test.com	Petru Maior	Roumanie	Update	Delete
Gandila	Andrei	test3@test.com	Petru Maior	Roumanie	Update	Delete
Deac	Vasile	test4@test.com	Petru Maior	Roumanie	Update	Delete



Va multumesc!

DEMO