Views/RequestForm.cshtml

@model HW5\_MajorMinorForm.Models.User

@{

ViewBag.Title = "AddRequests";

}

**<h2>**Change of Major/Minor/Advisor Form**</h2>**

**<h1></h1>**

**<div** class="container"**>**

**<form** method="post"**>**

@Html.AntiForgeryToken()

**<div** class="form-group row"**>**

**<label** for="lastname" class="col-sm-2 col-form-label"**>**Last Name**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.LastName, new { htmlAttributes = new { @class = "form-control" } })

@Html.ValidationMessageFor(model => model.LastName, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="firstname" class="col-sm-2 col-form-label"**>**First Name**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.FirstName, new { htmlAttributes = new { @class = "form-control" } })

@Html.ValidationMessageFor(model => model.FirstName, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**Date**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.Date, new { htmlAttributes = new { @class = "form-control", @type = "date"}})

@Html.ValidationMessageFor(model => model.Date, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**Phone Number**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.PhoneNumber, new { htmlAttributes = new { @class = "form-control", @type = "text" } })

@Html.ValidationMessageFor(model => model.PhoneNumber, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**Catalog Year**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.CatalogYear, new { htmlAttributes = new { @class = "form-control", @type = "number" } })

@Html.ValidationMessageFor(model => model.CatalogYear, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**V Number**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.VNumber, new { htmlAttributes = new { @class = "form-control", @type = "number" } })

@Html.ValidationMessageFor(model => model.VNumber, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**EMail**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.EMail, new { htmlAttributes = new { @class = "form-control", @type = "text" } })

@Html.ValidationMessageFor(model => model.EMail, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**Major**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.Major, new { htmlAttributes = new { @class = "form-control", @type = "text" } })

@Html.ValidationMessageFor(model => model.Major, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**Minor**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.Minor, new { htmlAttributes = new { @class = "form-control", @type = "text" } })

@Html.ValidationMessageFor(model => model.Minor, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group row"**>**

**<label** for="date" class="col-sm-2 col-form-label"**>**Advisor**</label>**

**<div** class="col-sm-10"**>**

@Html.EditorFor(model => model.Advisor, new { htmlAttributes = new { @class = "form-control", @type = "text" } })

@Html.ValidationMessageFor(model => model.Advisor, "", new { @class = "text-danger" })

**</div>**

**</div>**

**<div** class="form-group"**>**

**<div** class="col-md-offset-2 col-md-10"**>**

**<input** type="submit" value="Submit Form" class="btn btn-default" **/>**

**</div>**

**</div>**

**</form>**

**</div>**

DAL/UserContext.cs

**using** **System.Data.Entity**;

**using** **HW5\_MajorMinorForm.Models**;

**namespace** **HW5\_MajorMinorForm.DAL**

{

**public** **class** **UserContext** : DbContext

{

**public** DbSet<User> Users { **get**; **set**; }

}

}

Views/ViewRequests.cshtml

@model IEnumerable**<HW5\_MajorMinorForm.Models.User>**

@{

ViewBag.Title = "ViewRequests";

}

**<h2>**ViewRequests**</h2>**

**<table** class="table"**>**

**<tr>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().FirstName)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().LastName)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().Date)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().PhoneNumber)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().VNumber)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().CatalogYear)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().EMail)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().Major)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().Minor)**</th>**

**<th>**@Html.LabelFor(model => model.FirstOrDefault().Advisor)**</th>**

**<th></th>**

**</tr>**

@foreach (var item in Model)

{

**<tr>**

**<td>**@Html.DisplayFor(model => item.FirstName)**</td>**

**<td>**@Html.DisplayFor(model => item.LastName)**</td>**

**<td>**@Html.DisplayFor(model => item.Date)**</td>**

**<td>**@Html.DisplayFor(model => item.PhoneNumber)**</td>**

**<td>**@Html.DisplayFor(model => item.VNumber)**</td>**

**<td>**@Html.DisplayFor(model => item.CatalogYear)**</td>**

**<td>**@Html.DisplayFor(model => item.EMail)**</td>**

**<td>**@Html.DisplayFor(model => item.Major)**</td>**

**<td>**@Html.DisplayFor(model => item.Minor)**</td>**

**<td>**@Html.DisplayFor(model => item.Advisor)**</td>**

**<td>**

@Html.ActionLink("Delete", "DeleteEntry", new { item.ID }, null)

**</td>**

**</tr>**

}

**</table>**

Model/User.cs

**using** **System**;

**using** **System.Collections.Generic**;

**using** **System.ComponentModel.DataAnnotations**;

**using** **System.Linq**;

**using** **System.Web**;

**namespace** **HW5\_MajorMinorForm.Models**

{

**public** **class** **User**

{

**public** int ID { **get**; **set**; }

[Required]

[Display(Name = "First Name")]

**public** string FirstName { **get**; **set**; }

[Required]

[Display(Name = "Last Name")]

**public** string LastName { **get**; **set**; }

[Required]

[Display(Name = "Date")]

**public** DateTime Date { **get**; **set**; }

[Required]

[Display(Name = "Phone Number")]

**public** string PhoneNumber { **get**; **set**; }

[Required]

[Display(Name = "Catalog Year")]

**public** int CatalogYear { **get**; **set**; }

[Required]

[Display(Name = "V Number")]

**public** int VNumber { **get**; **set**; }

[Required]

[Display(Name = "Email")]

**public** string EMail { **get**; **set**; }

[Required]

[Display(Name = "Major")]

**public** string Major { **get**; **set**; }

[Required]

[Display(Name = "Minor")]

**public** string Minor { **get**; **set**; }

[Required]

[Display(Name = "Advisor")]

**public** string Advisor { **get**; **set**; }

}

}

Controllers/HomeController.cs

**using** **System**;

**using** **System.Collections.Generic**;

**using** **System.Linq**;

**using** **System.Web**;

**using** **System.Web.Mvc**;

**using** **HW5\_MajorMinorForm.DAL**;

**using** **HW5\_MajorMinorForm.Models**;

**using** **System.Diagnostics**;

**namespace** **HW5\_MajorMinorForm.Controllers**

{

**public** **class** **HomeController** : Controller

{

**private** UserContext db = **new** UserContext();

*/// <summary>*

*/// Gives the index page*

*/// </summary>*

*/// <returns>The home index page</returns>*

**public** ActionResult Index()

{

**return** View();

}

*/// <summary>*

*/// HttpGet which gives the blank request form*

*/// </summary>*

*/// <returns>The blank request form</returns>*

[HttpGet]

**public** ActionResult RequestForm()

{

**return** View();

}

*/// <summary>*

*/// HttpPost which adds an entry into the database*

*/// </summary>*

*/// <param name="user"></param>*

*/// <returns>If successful, moves to the ViewRequests page,*

*/// else gives a view of the form which was unsuccessful</returns>*

[HttpPost]

**public** ActionResult RequestForm(User user)

{

**if** (ModelState.IsValid)

{

db.Users.Add(user);

db.SaveChanges();

**return** RedirectToAction("ViewRequests");

}

**return** View(user);

}

*/// <summary>*

*/// Deletes an entry from the database*

*/// </summary>*

*/// <param name="id"> The id of the entry to be deleted </param>*

*/// <returns>Returns to the index view</returns>*

**public** ActionResult DeleteEntry(int? id)

{

User user = db.Users.Find(id);

**if** (user != **null**)

{

db.Users.Remove(user);

db.SaveChanges();

Debug.WriteLine("Deleted");

}

**return** View("Index");

}

*/// <summary>*

*/// Returns a veiw of the database entries*

*/// </summary>*

*/// <returns>Returns a view of the database entries</returns>*

**public** ActionResult ViewRequests()

{

Debug.WriteLine(db.Users);

**return** View(db.Users.ToList());

}

}

}