# Homework: ASP.NET MVC Introduction

This document defines the homework assignments from the ["ASP.NET MVC" Course @ Software University](https://softuni.bg/courses/asp-net-mvc/). Please submit as homework a single zip / rar / 7z archive holding the solutions (source code) of all below described problems.

## Caching the Home Page

Create ASP.NET MVC application. Using the ASP.NET OutputCache attribute, implement **client-side caching** for the home page for 15 seconds.

## Caching RSS Feeds

Create an ASP.NET MVC application. Create a partial view action RssFeed + partial view \_RssFeed.cshtml to list the RSS feeds from <https://softuni.bg/feed/news>. Display the titles of the RSS items with their hyperlinks.

* Include the RssFeed partial view in your application home page (use @Html.Action).
* Cache the RSS feed for 5 minutes. Use the OutputCache attribute for your RssFeed controller action.
* To download and process the RSS, you may use XDocument.Load(url).

## Caching Users

Create simple ASP.NET Web application that allows user registration, login and logout (you have it out of the box from the Visual Studio project templates). Implement a page that lists all users and caches them until changed.

* Using the HttpContext.Cache cache the users.
* When a new user is registered, **invalidate the cache**.