# Homework: jQuery Overview

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

<https://softuni.bg/forum/2648/homework-js-apps-jquery-plugins>

<https://softuni.bg/forum/3592/useful-info-javascript-jquery-nodejs-cheat-sheet>

<https://softuni.bg/forum/2621/homework-js-apps-jquery-overview>

## Element Insertion

Using jQuery write a script for adding elements before/after other elements.

## Background Color Switch

Write a script using jQuery for **switching the background color** of elements with a **specified class**. The input should be read from an input form.

|  |  |
| --- | --- |
| **Sample HTML** | **Output** |
| <ul>  <li class="bird">Hummingbird</li>  <li class="bird">Nightingale</li>  <li>Lizard</li>  <li class="bird">Eagle</li>  <li class="bird">Sparrow</li>  </ul> |  |

## Table Generator

Write a script using jQuery that reads a **JSON string** which contains **information about cars** and generates an **HTML table**.

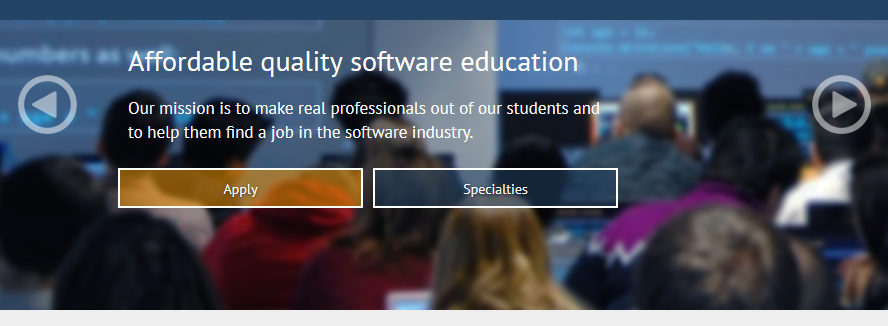
|  |
| --- |
| **Sample Input** |
| "[{"manufacturer":"BMW","model":"E92 320i","year":2011,"price":50000,"class":"Family"},  {"manufacturer":"Porsche","model":"Panamera","year":2012,"price":100000,"class":"Sport"},  {"manufacturer":"Peugeot","model":"305","year":1978,"price":1000,"class":"Family"}]" |
| **Sample Output** |
|  |

## Slideshow

Create a **slideshow** using jQuery:

* The slider should have **several slides**
* Only one slide is **visible** at a time
* Each slide can contain **HTML code**
  + It can contain images, forms, divs, headers, links, etc.
* Implement functionality for the visible slide to **automatically change** to the **next** one after 5 seconds
* Create buttons for **next** and **previous** slide

Refer to the **SoftUni home page** to get a better idea of how the slideshow should work.



## \* Grid Control

Using jQuery implement a **grid control** which supports the following functionality:

* Create a new grid object
  + **<table id="myGrid"></table>**
  + **var grid = $('#myGrid').grid();**
* Add / modify the **grid header** dynamically
  + Each grid can have at most **one header row**: **<tr><th>…</th><th>…</th></tr>**
  + **grid.addHeader(['First Name', 'Last Name', 'Age']);**
* Add **rows** dynamically
  + **grid.addRow(['Bay', 'Ivan', 50]);**
  + **grid.addRow(['Kaka', 'Penka', 26]);**