# Homework: jQuery Plugins

This document defines the homework assignments from the ["JavaScript Applications" Course @ Software University](https://softuni.bg/trainings/coursesinstances/details/11). Please submit as homework a single zip / rar / 7z archive holding the solutions (source code) of all below described problems.

## TreeView Plugin

Create a **jQuery plugin** for creating a **TreeView**:

* A TreeView contains several **items**
* Each **item** may contain **items of its own**
* **Clicking** on an item **shows**/**hides** its **direct children**

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| **Sample TreeView** |
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## Fading Message Box

Create a jQuery plugin for **fading in**/**fading out** a message box. The plugin should support:

* Creating a **message box** (a **div** holding some text)
* Showing a **success**/**error** **message** in the box
  + Showing is done by setting the opacity of the message from 0 to 1 in an interval of 1 second
  + The message should **disappear** after 3 seconds

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| **Sample Code** |
| var messageBox = $('#message-box').messageBox();  messageBox.success('Success message.');  messageBox.error('Error message.'); |