# Homework: JavaScript Modules and Patterns

This document defines the homework assignments from the ["OOP" Course @ Software University](https://softuni.bg/trainings/coursesinstances/details/8). Please submit as homework a single zip / rar / 7z archive holding the solutions (source code) of all below described problems.

## TODO List Module

Write a **JavaScript module** for easily creating **TODO** lists in DOM. The module should support the creation of the following classes:

* **Container** – represents the list, may only hold **sections**
* **Section** – holds **title** and may only contain **items**
* **Item** – has **content** and **status** (completed or not)

All classes should have an **addToDOM()** function.

**Checked items** indicate that the task has been completed and should have their **color changed** to green. The TODO list should support adding new **items** and **sections** via buttons.

Write the described module using the good practices of OOP in JavaScript. **Encapsulate** all data and **reveal** as little fields as possible. **Throw exceptions** in case of improper input.

