Homework 2

**ASYNC DEVELOPMENT**

## Tasks

1. Create a directory called data. We will assume that CSV files with new products will be uploaded in this directory for processing by our application.
2. In your application create a local module called dirwatcher. Create class DirWatcher that should be able to watch a given **path** with a given **delay** and emit a ‘changed‘ event if directory contents have been changed (implement method watch(path, delay) by yourself, try not to use native *fs.watch()*).
   1. When the path is checked for the first time all files should be treated as new.
3. Create a module called importer. Create class Importer. It should be able to listen to DirWatcher events and start importing CSV files (converting the data to JavaScript objects) on ‘dirwatcher:changed’ event.
   1. Implement import(path): should return a **promise** with imported data from file at path.
   2. Implement importSync(path): should be synchronous and return all imported data from file at path.
4. In **app.js**:
   1. Import all of the above modules.
   2. Create a Dirwatcher and Importer for processing files asynchronously from data directory.
   3. Log imported data to console.

*Note: every CSV file in a directory should be processed only once.*

*Note: feel free to use already implemented library for transforming CSV into JSON.*

## 

## Criteria for evaluation

1. CSV files are placed in appropriate directory.
2. DirWatcher module is implemented and matches described criteria.
3. Importer module is implemented and matches described criteria.
4. Application logic is implemented for a fixed (predefined) number of CSV files.
5. Application logic is implemented for arbitrary number of CSV files (all tasks and subtasks are implemented properly) which could be added/changed/removed at any time.