**MVC**

MVC (Model-View-Controller) pattern is architectural design pattern introduced in 1979. when *Smalltalk* was created. Being used in various programming languages, it has undergone many changes up until today. Great number of JS libraries and frameworks were written leaning on this pattern (i.e. Backbone.js, Ember.js, AngularJS).

The main advantage of MVC is separation of concerns between UI and business logic.

Model is in charge of business data which can be persisted in memory, user’s localStorage or synchronized with DB. In some implementations, Model has a reference to *state -* view on a user’s screen at some fixed moment of time.

View is concerned with presentation (in JS with building and maintaining DOM elements) and keeping visual representation up-to-date. It observes Model and gets notified when Model changes, so it can be updated as well.

Controller takes care of user input and logic. With the responsibility of updating a Model according to user’s action, it is intermediary between Model and View.

This pattern has various advantages including:

1. easier testing of business logic
2. easier maintenance
3. possible simultaneous work of developers engaged on UI and those working on data logic.