**Architecture description**

**Model-View-Controller (MVC)** is an architectural pattern that separates an application into three main logical components: the **model**, the **view**, and the **controller**. Each of these components are built to handle specific development aspects of an application. MVC is one of the most frequently used industry-standard web development framework to create scalable and extensible projects.(Tutorials Point 2017)

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**Major algorithms**

**Create Course**

1. get the course parameters from the user.
2. create instance from the course class with the params.
3. check if the course is saved.
4. if the course saved redirect the user to the course page.
5. else redirect the user back to the new course form.

**Login using social networks**

1. get the permission from the provider.
2. get or create instance user with the returned info.
3. if user created successfully redirect to home page.
4. else redirect to the register page.

**Create Document**

1. create instance form the document class with the given document parameters.
2. check if the document is saved.
3. if the document is saved, redirect the user to the documents page.
4. else redirect the user back to the new document page.