CENTENNIAL COLLEGE PROGRESS CAMPUS

API Engineering & Cloud Comp - COMP 306 - Quiz

**Hello Team Members!**

Please follow the following parts.

**Question 1:**

**Please explain the main components of ASP.NET Core, and what their responsibilities.**

**Answer:**

**The main components of ASP.NET Core are MVC:**

1. **Model**
   1. Provides interface/ability to programmatically interact with the data
      1. E.g. create, read, update and delete data
   2. Uses data entities to provide data access
2. **View**
   1. This is what is presented to the end user (e.g. GUI)
3. **Controller**
   1. This handles requests sent by the user
   2. This sends responses back to the user
   3. Basically, the user interacts with the application through the controller
   4. This presents the model to the view

**Example of how these components all fit into place:**

1. **User interacts with GUI using mouse**
2. **This sends HTTP request to Controller**
3. **Controller sends parameters to Model**
4. **Controller gets manipulated data from the model**
5. **Controller presents model/data to the View**
6. **View uses the model to render a GUI/output**
7. **GUI is returned and presented to the user.**

**Please note:**

You ***cannot*** use your previous projects, slides and internet. You are ***not allowed*** to use email, any messenger application, Facebook, your phone and anyone in the class or outside.

The time is 10 minutes and the timer will be set for the class.

Good luck with your quiz!

Reza

**“What you seek is seeking you.” ~Rumi**