Discuss and explain the purpose of each of the following architecture components:

* Model
* View
* Controller

Different frameworks can guide development. Model-View-Controller is one of them and will be the focus of this discussion. According to GeeksforGeeks (2022), MVC is an "architectural/design pattern" that divides an application into the model, view, and controller. The division of these elements separates the business logic, UI logic, and input logic (GeeksforGeeks, 2022). MVR helps build web application architecture through "full control over HTML and URLs, URL-mapping component, and it supports test-driven development" (GeeksforGeeks, 2022). The model, view, and controller serve different purposes but can work in tandem.

Let us start by discussing how the controller works. The controller allows an "interconnection" between the views and the model (GeeksforGeeks, 2022). In a way, it acts as the middleman between the two. The controller's main function is to communicate to the model what it should do (GeeksforGeeks, 2022). This transfer of data and information is done after business logic, requests, and changes in data are processed through the model, with a view showing the output (GeeksforGeeks, 2022). The controller receives and interprets data, updates the model depending on user actions, and then chooses and shows the best-suited view (GeeksforGeeks, 2022). The view handles the UI logic and creates the UI (GeeksforGeeks, 2022). A view uses the data from the model and interacts with the controller (GeeksforGeeks, 2022). The view changes data into a format, displays UI elements, and updates the display after the model inherits changes (GeeksforGeeks, 2022). Lastly, the model can modify and retrieve database information and respond to the controller requests (GeeksforGeeks, 2022). The model manages data, enforces business rules, and alerts the view and controller of any changes (GeeksforGeeks, 2022).

**Reference**

GeeksforGeeks. (2022, March 21). *MVC Framework Introduction*. GeeksforGeeks. https://www.geeksforgeeks.org/mvc-framework-introduction/

**Assignment Requirements and Grading:**

* 1. An initial post of approximately 250 words is due by **Thursday, 11:59 p.m., CST**.
  2. For the initial post to be considered substantive, it should be at least 250 words in length and fully cover the topics being presented. Single-sentence definitions or responses will not be awarded points.
  3. Submit your post by clicking on the assignment link above, then Create Thread. You must create a thread in order to view your peers' posts. Tip: Create your post in a Word document and then copy and paste your work into the thread.
  4. A minimum of three (3) responses, to the original threads of other students, of 100-200 words each are due by **Saturday, 11:59 p.m., CST**.
  5. To view the rubric grading criteria, click on the following link: [Discussion Board Grading Rubric](https://content.bellevue.edu/cst/csd/rubricdbv3.pdf).