



Architecture Pattern

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The Architecture Pattern we determined for: Model-View-Controller(MVC) Pattern.

To manage particular functions like we proposed : handling data manipulation, data validation within the **Model** component, we wish to create distinct modules or classes. The **Controller** (in MVC) would manage the interaction logic and data flow between the View and the Model, while the **View** would be composed of graphical elements intended for user interaction. In general, as the MVC pattern supports concern separation, which facilitates the management and upkeep of intricate desktop applications. By maintaining the separation of presentation logic from the main logic of the application, it will improve testability, scalability, and code reuse.

Graphical Representation of MVC pattern:

