

MVC

IS AN ARCHITECTURAL/DESIGN PATTERN THAT SEPARATES AN APPLICATION INTO THREE MAIN LOGICAL COMPONENTS MODEL, VIEW, AND CONTROLLER. EACH ARCHITECTURAL COMPONENT IS BUILT TO HANDLE SPECIFIC DEVELOPMENT ASPECTS OF AN APPLICATION.

MODEL

THIS COMPONENT STORES THE APPLICATION DATA. IT HAS NO KNOWLEDGE ABOUT THE INTERFACE. THE MODEL IS RESPONSIBLE FOR HANDLING THE DOMAIN LOGIC(REAL-WORLD BUSINESS RULES) AND COMMUNICATION WITH THE DATABASE AND NETWORK LAYERS.

VIEW

A VIEW IS THAT PART OF THE APPLICATION THAT REPRESENTS THE PRESENTATION OF DATA. VIEWS ARE CREATED BY THE DATA GATHERED FROM THE MODEL DATA. A VIEW REQUESTS THE MODEL TO GIVE INFORMATION SO THAT IT RESENTS THE OUTPUT TO THE USER.

CONTROLLER

THE CONTROLLER IS THAT PART OF THE APPLICATION THAT HANDLES THE USER INTERACTION. THE CONTROLLER INTERPRETS THE MOUSE AND KEYBOARD INPUTS FROM THE USER, INFORMING THE MODEL AND THE VIEW TO CHANGE AS APPROPRIATE.

MVVM

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MODEL

THIS LAYER IS RESPONSIBLE FOR THE ABSTRACTION OF THE DATA SOURCES. MODEL AND VIEWMODEL WORK TOGETHER TO GET AND SAVE THE DATA.

VIEW

THE VIEW STANDS FOR UI COMPONENTS LIKE HTML, CSS, JQUERY, ETC. IN MVVM PATTERN VIEW IS HELD RESPONSIBLE FOR DISPLAYING THE DATA WHICH IS RECEIVED FROM THE CONTROLLER AS AN OUTCOME. THIS VIEW IS ALSO TRANSFORMED MODEL (S) INTO THE USER INTERFACE (UI).

VIEW MODEL

THE VIEW MODEL IS RESPONSIBLE FOR PRESENTING FUNCTIONS, COMMANDS, METHODS, TO SUPPORT THE STATE OF THE VIEW. IT IS ALSO ACCOUNTABLE TO OPERATE THE MODEL AND ACTIVATE THE EVENTS IN THE VIEW.