**Servlets**

* It is a thread-based technology, which improves the performance of application.
* For first request a servlet object is created and then for every other request separate thread will be created.

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Description generated with very high confidence**

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**A picture containing indoor, table, screenshot

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**MVC pattern:**

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Http allows 7 types of methods:

* GET
* POST
* HEAD
* OPTIONS
* PUT
* TRACE
* DELETE

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**Head:**

The response will have only header information.

**Options:**

To get the information about what all methods are supported by the server.

**Status Codes:**

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* When you install server software in your computer server is available in two parts
  + Main server
  + Container
* When you click a button http protocol will create a ReqFmt and will carry to Main server. Main server will check the ReqFmt is valid or not. If it is not valid it will send the immediate Error response. If it is valid then ReqFmt is forwarded to container. Then container will check the locater information and will find that particular resource and execute. Then the response is given back to Main Server and then to Protocol. Protocol will create a RespFmt and will carry over the network and back to client.
* Two types of containers as per server-side tech we used to prepare the application.
  + **Web Container**: responsible to execute only web components like servlets and JSP
    - **Servlet Container**: for servlet execution
    - **JSP Container**: for JSP execution.
  + **EJB Container**: responsible for EJB component.
* As per containers physical existence there are three types of containers.
  + **Standalone Container:** Integration of Main server and container
  + **In-Process Container:** Container is a part in Main server
  + **Out-of-process Container:** Container is outside of the Main server.