

## What is JSF?

JavaServer Faces *JSF* is a MVC web framework that simplifies the construction of user interfaces *UI* for server-based applications by using reusable UI components in a page. JSF provides facility to connect UI widgets with data sources and to server-side event handlers. The JSF specification defines a set of standard UI components and provides an Application Programming Interface *API* for developing components. JSF enables the reuse and extension of the existing standard UI components.

## Benefits

JSF reduces the effort in creating and maintaining applications which will run on a Java application server and will render application UI on to a target client. JSF facilitates Web application development by

- providing reusable UI components
- making easy data transfer between UI components
- managing UI state across multiple server requests
- enabling implementation of custom components
- wiring client side event to server side application code

## JSF UI component model

JSF provides developers capability to create Web application from collections of UI components that can render themselves in different ways for multiple client types  
*for example HTML browser, wireless or WAP device.*

JSF provides

- Core library
- A set of base UI components - standard HTML input elements
- Extension of the base UI components to create additional UI component libraries or to extend existing components.
- Multiple rendering capabilities that enable JSF UI components to render themselves differently depending on the client types

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