

Ch-01

(Getting Started with PrimeFaces)

- 1) PrimFaces is a _____ component? - JSF
- 2) You can retrieve the PrimeFaces library by defining _____. - **Maven repository.**
- 3) In order to use PrimeFaces we need to add _____. - **xmlns:p="http://primefaces.org/ui">**
- 4) which are the **mandatory dependencies of PrimeFaces** ? - **Java5+ , JSF 2.x**
- 5) PrimeFaces **scripts are based on the** _____ Library. - **Jquery JavaScript.**
- 6) In order to use for PrimeFaces mobile we need to add _____. - **xmlns:p=http://primefaces.org/mobile**
- 7) What is the the **spinner component**? - **UI input component.**
- 8) **we can provide the IDs of the components to the update attribute by providing?** - **a space, comma, or both.**
- 9) Which are the **reserved keywords that are used for a partial update?** - **@this , @parent, @form, @none, @all.**
- 10) JSF lifecycle phases— **Apply Request Values, Process Validations, Update Model, and Invoke Application.**
- 11) **When JSF uses : (a colon)?** - **separator for the NamingContainer interface.**
- 12) Which are the important features that should be provided in the **web application's world to make it accessible globally** - **Internationalization (i18n) and Localization (L10n).**
- 13) The web application should support multiple languages - **Internationalization (i18n).**
- 14) The texts, dates, or any other fields should be presented in **the form specific to a region** – **with Localization (L10n).**
- 15) Which is the **next-generation rapid application development tool** - **Spring Roo.**

Chapter 02

1. The theming **concept used in PrimeFaces is similar to what?**

Answer: **The jQuery ThemeRoller CSS Framework.**

2. All PrimeFaces **components are designed to allow a developer to what?**

Answer: **Integrate them seamlessly into the look and feel of an entire web application.**

3. **Powered by ThemeRoller, PrimeFaces does what?**

Answer: **Separates structural CSS from skinning CSS.**

4. Each component is **styled with CSS and contains what?**

Answer: **Two layers of style information—structural or component-specific and skinning or component-independent styles.**

5. The first two style classes' **ui-picklist-list** and **ui-picklist-source** are generated by what and what are they provide?

Answer: They are generated by PrimeFaces and provide a semantic presentation to indicate the role of an element within a component.

6. PrimeFaces leverages what?

Answer: The jQuery ThemeRoller CSS Framework.

7. Describe the ui-widget-content and ui-corner-all classes.

Answer: The ui-widget-content and ui-corner-all classes are defined by ThemeRoller and they affect the look and feel. These are skinning style classes, which define CSS properties such as text colors, border colors, and background images.

8. What are the main advantage of the presented PrimeFaces selectors?

Answer: The main advantage of the presented PrimeFaces selectors is a great flexibility in theming, because you don't need to know each and every skinning selector to change the styles of all available components in your web application consistently.

9. What is Maven?

Answer: Maven is a build and project management tool, which manages installation of all dependencies in an easy way. PrimeFaces is a Maven-based project and offers all artifacts, including themes, as Maven dependencies.

10. Describe the JSF standard Head component.

Answer: The PrimeFaces component library has a special implementation for the JSF standard Head component. PrimeFaces provides the HeadRenderer class, which is responsible for the rendering of the <h:head> tag. HeadRenderer automatically detects the current configured theme in web.xml—regardless if static or dynamic via managed bean—and renders theme-related resources on the page.

11. Describe Aristo.

Answer: Aristo is the built-in default theme of PrimeFaces. There is no separate JAR file for it; the theme is delivered with the core PrimeFaces JAR file itself. Therefore, you don't need to install it via Maven or have it extra in the classpath.

12. How Custom styles will work?

Answer: Custom styles will be rendered after the PrimeFaces theme (skinning) and component (structural) styles. The correct output is ensured by the PrimeFaces resource ordering. Therefore, custom styles, being rendered after PrimeFaces ones, overwrite the default settings.

13. Can we disable theming completely with the same look and feel in all browsers?

Answer: No.

14. What is the disadvantage in a multi-theme application?

Answer: Each PrimeFaces theme has a specific font family and font size, which can be different from theme to theme. This may have a disadvantage in a multi-theme application because switching from one theme to another would cause a broken layout.

15. How we can change fonts globally?

Answer: A simple way to change fonts globally can be accomplished by using the `.ui-widget style class`.

16. Describe the `ui-widget style class`.

Answer: All PrimeFaces components are styled by the `ui-widget style class`. It is a skinning style specified by `jQuery ThemeRoller` and applied to HTML elements rendered by PrimeFaces.

17. Describe The default PrimeFaces' theme switcher.

Answer: The default PrimeFaces' theme switcher is a component, which enables switching themes on the fly without a round-trip to the server. We speak about a stateless theme switcher because the current selected theme is only known on the client side.

18. By default, PrimeFaces theme switcher do what?

Answer: By default, PrimeFaces theme switcher only changes the theme on the fly without sending an AJAX or full-page request.

Chap-3

Enhanced Inputs and Selects

1. Which example of input mask for a phone number?

Ans: `<p:inputMask value="#{maskController.phone}" mask="(999) 999-9999"/>`

2. Which code will enable autocomplete functionality into PrimeFaces ?

Ans: `<p:autoComplete id="simple" value="#{autocompleteController.txt1}" completeMethod="#{autocompleteController.complete}"/>`

3. Which code basic definition for the input text area?

Ans: `<p:inputTextarea value="#{inputTextAreaController.value}"/>`

4. simplest component declaration for a basic date selection?

Ans: `<p:calendar value="#{calendarController.date}"/>`

5. how we can adding prefix and suffix in primeFaces?

Ans: `<p:spinner value="#{spinnerController.intValue}" prefix="$" />`
`<p:spinner value="#{spinnerController.intValue}" suffix="%" />`

6. By default, the slider renders a _____ bar for sliding.

Ans: horizontal

7. Which range render an input field user can enter values?

Ans: 0 to 100

8. The editor attribute specifies the mode of the editor with the default value false.

Ans: True

9. What is the use of the `<h:selectOneMenu>` Tag?

Ans: Tag provide a single-select menu in HTML form.

10. Which class is provide a single-select menu in HTML form?

Ans: com.sun.faces.taglib.html_basic.SelectOneMenuTag

11. Which is the basic component declaration for editor?

Ans: `<p:editor value="#{editorController.text}" />`

12. rateEvent contains the rating and can be retrieved as an object with the _____ mrthod.

Ans: getRating().

13. Maven users should define any desired theme artifact in their project's _____.

Ans: pom.xml

Chapter – 04

Grouping Content with Panels

1 . The header and footer attributes can be used to render text at the ...of the panel as a header and at theof the panel as a footer

Ans: top, bottom

1. The toggling speed can also be adjusted by using the toggleSpeed attribute, which has the default value

Ans: 1000 milliseconds

3. The title values for the buttons can be localized with theandattributes, if needed?

Ans: closeTitle, toggleTitle.

4. The panelGrid component extends the JSF <h:panelGrid> component with support of colspan, and rowspan?

Ans: true

4. accordionPanel is a container component that provides the ability to group.....?

Ans: multiple tabs.

5. AccordionPanel is a container component withstacked panels?

Ans: vertically.

6. Panel is acomponent with a header, content and footer?

Ans: grouping.

7. Dashboard is a layout component featuringbased content reordering similar to portal environments?

Ans: dragdrop.

8. The multiple attribute enables activating multiple tabs. The default value of the attribute is.....?

Ans: false.

9. The scrollPanel component provides customizable scroll bars instead of the.....?

Ans : browser's scrolls.

10. tabView is a tabbed panel component with powerful features such as dynamic content?

Ans: loading, orientations, and programmatically managing tabs.

11. Which use tab attribute...?

Ans : title.

12. set the disabled attribute to true in the tab, the tab will have a grayed-out caption that indicates the tab is disabled.

Ans : true.

13. Orientation of the tabs can be set with four positions—..... ?

Ans : top, bottom, left, and right

14. By default, the orientation for the tabs is right.?

Ans : false.

15. with the effect attribute.....?

- a) **blind ,clip ,drop**
- b) explode ,fade
- c) fold ,puff ,scale ,slide
- c. All

Ans : c

16 . The effect duration can also be set with the effect Duration attribute. The possible values are?

Ans: slow, normal, and fast

17. Layout units get placed to the positions respectively: top matches to....., left matches to....., bottom matches to....., right matches to....., and center unit matches to....?

Ans: north, west, south, east, center.

Chapter-5

Selection types:

- i) Line selection
- ii) Selection with radiobutton
- iii) Selection with checkbox

Use of setPropertyActionListener:

- To make a single selection possible with a command component, such as `commandLink` or `commandButton`, `f:setPropertyActionListener` can be used to set the selected row as a parameter to the server side.

Use of selectionMode attribute:

- The selectionMode attribute could be used to enable the selection whenever a row is clicked. Its value should be single for single selection mode. The dataTable component supports single row selection with the help of radio buttons.
- And the selectionMode attribute should be set to multiple and the selection attribute needs to be bound to an array of the Car reference. multiple item selection with dataTable by defining a column with the value of the selectionMode attribute set to multiple

Shorting

- The dataTable component provides AJAX-based built-in sorting and filtering based on its columns using `sortBy` attribute at column level.

Filtering

- The dataTable provides filtering based on AJAX by enabling the `filterBy` attribute for the columns.

- The filterMatchMode attribute enables built-in matcher mechanism, which is set to “startsWith” by default. Other possible values are “contains, exact, and endsWith” which indicate how text matching will be done with the given input filter.
- The filter text field can be positioned before or after the header text by setting the filterPosition attribute.
- The filterMaxLength attribute, it is possible to restrict the filter input according to the given number of characters
- Filtering also supports having a drop-down box as the filtering mechanism instead of the input text field. This can be achieved by providing a list with the filterOptions attribute
- dataTable provides global filtering by invoking the client-side method filter(). The global filter can be positioned at the header of the table

Editing

- the editable column should contain the p:cellEditor component
- The onEdit and onCancel methods retrieve org.primefaces.event.RowEditEvent as a parameter

Handling tons of data – LazyDataModel

- the lazy attribute should be set to true for lazy loading to be enabled for the table, and the abstract load method should be implemented in org.primefaces.model.LazyDataModel. We must also implement getRowData and getRowKey when selection is enabled in the table.
- Used methods are first, pageSize, filter, sortOrder, sortField

Listing data with dataList

- dataList presents a collection of data in the list layout
- The values for the attribute can be unordered, ordered, definition, or none. The default value is unordered
- The values for the itemType attribute can be disc, i, A, a, circle, square, and decimal

Listing data with picklist

- pickList is a dual list input component that is used for transferring data between two different collections with drag-and-drop based reordering, transition effects, POJO support, client-server callbacks, and more.
- pickList uses a custom data model, which is an instance of org.primefaces.model.DualListModel
- The showSourceControls and showTargetControls attributes specify the visibility of the reorder buttons of the source list and the target list.
- Transition effects are blind, bounce, clip, drop, explode, fold, highlight, puff, pulsate, scale, shake, size, slide

Chapter-6

1. Which a menu can be positioned on a page in two ways?
Ans: statically and dynamically.
2. What a menu is by default ?
Ans: static.
3. What group single menu items?
Ans: Submenus.
4. Which items can be presented in the same page flow or in an overlay over other elements?
Ans: Grouped menu.
5. What menu is created by setting the overlay option to true and defining a trigger to show the menu?

- Ans: dynamic menu.
6. Which The dynamic menu is opened after the user has clicked on the button ?
Ans: Show dynamic menu.
7. If the url attribute is missing, which requests (per AJAX or without) can be sent?
Ans: only the POST requests.
8. which is a part of PrimeFaces themes or by providing our own style class for the icon attribute
Ans: `<p:menuItem icon="home" .../>`.
`.home { background: url(home.png) no-repeat; height:16px; width:16px; }`
9. Which features an attribute nodeType?
Ans: p:contextMenu.
10. Which are data components have a special integration with the context menu?
Ans: DataTable, Tree, and TreeTable.
11. How The context menu is displayed ?
Ans: when the mouse is right-clicke.
12. Which by default, without the defined for attribute is attached to the whole page?
Ans: ContextMenu.
13. When a menu item is clicked, the entire Tree component gets processed and the currently selected node is stored in the bean via the EL expression is
Ans: `#{contextMenuController.selectedNode}`.
14. The subsequent AJAX response updates the
Ans: p:tree (see `<p:menuItem ... update="fileSystem"/>`).
15. What is a slide ?
Ans: A slide menu displays nested submenus as slides with animation similar to the iPod menu.
16. Positioning of the static by default, but it can also be positioned relative to a trigger that shows the Which menu.
Ans: slide menu.
17. What is a tiered menu ?
Ans: A tiered menu displays nested submenus as overlays.
18. Which menu is a horizontal navigation component that displays menu items grouped in submenus?
Ans: PrimeFaces' mega menu .
19. What is sometimes also called a mega drop-down menu, is designed to enhance scannability and categorization of its contents?
Ans: A mega menu.
20. What is A panel menu?
Ans:A panel menu is a hybrid of accordion and tree components used for navigations and actions. It renders a vertical menu structure with support for nested menu items.
21. Which is is a multiselect input component based on checkboxes in an overlay menu.
Ans: SelectCheckboxMenu

Chapter-7

1. What type of component *FileUpload* is?

Ans: input component.

2. Why `<p:fileUpload>` component is used to create in JSF application?

Ans: file upload button.

3. *FileUpload* allows us to upload file from the browser to the server?

Ans: Yes.

4. Why *fileUploadListener* is used?

Ans: To handle the uploaded file.

5. What *auto* attribute do?

Ans: Enable automatic file upload (when file will select or dragged-and-drop).

6. How to restrict the maximum file upload size?

Ans: *sizeLimit* attribute.

7. Which attribute define whether or not to enable dragged-and-drop from the filesystem?

Ans: *dragDropSupport*.

8. The disposition of *the downloadable content will be done with what?*

Ans: A download dialog box.

9. *cropSimple* method is an instance of what?

Ans: *StreamedContent*.

10. On image when the region is selected, it will highlight with what?

Ans: A dashed canvas.

11. The *graphicText* property created within the *cropSimple* method is an instance of ----.

Ans: *StreamedContent*.

12. Why the *galleria* component is use?

Ans: Display a collection of image.

13. Which attribute use to decide on the duration of the transition?

Ans: *affectSpeed*.

14. How *capturedImage* will be visualized?

Ans: With the *p:graphicImage*.

Chapter-8

1. What is drag and drop in primefaces?

Ans: It is an action, meaning grabbing an object and dragging it to a different location. It allows us to create draggable and droppable user interfaces efficiently.

2. What is need to enable draggable functionality on any PrimeFaces component?

Ans: Draggable component. [<p:draggable>]

3. What is stack?

Ans: jQuery selector.

4. How many ways dragging behavior can be limited?

Ans: 2. i. Horizontally ii. Vertically.

5. What do you mean by dragging on grid?

Ans: Dragging on a grid means the dragging helper snaps to a grid every specific x and y pixels.

6. Where a image can be placed?

Ans: within an h:panelGroup tag.

7. What do you mean by grid= "40, 50"?

Ans: It means the draggable element can be dragged in only 40 pixel steps horizontally and 50 vertically.

8. Which element can not go outside of its parent?

Ans: draggable element.

9. What are the possible values of snapMode?

Ans: inner, outer and both.

10. How many parameters do a onDrop callback gets?

Ans: Two. Event and ui

11. What are the ui prepared object properties?

Ans: (i) ui. Draggable (ii) ui.helper (iii) ui.position (iv) ui.offset

12. What is tolerance?

Ans: It specifies which mode to use for testing if a draggable component is over a droppable target.

13. How many types of tolerance mode are there in PrimeFaces?

Ans: 4.[fit, intersect, pointer, touch]

14. Give some example of some integrating drag and drop data iteration component.

Ans: DataTable, DataGrid, DataList, Carousel, Galeria, Ring and Sheet.