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EECS 368 Assignment 3

HTML Source Code:

<!DOCTYPE html>

<html>

  <head>

    <meta charset= "utf-8">

  </head>

<style type="text/css">

  tab-panel > button.selected

  {

    font-style : "Times New Roman";

    color: #f52121;

  }

  tab-panel > div[tab].hidden

  {

    display: none;

  }

</style>

<body>

  <h1>Hiremath's Tab Page</h1>

  <tab-panel>

    <div tab="A">Tab A</div>

    <div tab="B">Tab B</div>

    <div tab="C">Tab C</div>

  </tab-panel>

  <script>

    let activeTab; //This line tracks the tab that is currently selected by the user.

    let currentTab; //This line tracks the current body of tab that is currently displayed by the user.

    function asTabs (node) //This line defines the as Tabs function.

    {

      let tabsLength = node.children.length; //This line shows that the length of the tabs is equal to the length of the children nodes.

      for (let i = 0; i < tabsLength; i++) //This line defines the for loop that runs from 0 to the length of the tabs.

      {

        let button = document.createElement("button"); //This line shows that the button is created.

        button.textContent = document.querySelectorAll("div")[i].getAttribute("tab"); //This line returns the Node list with the mathcing elements.

        node.querySelectorAll("div")[i].classList.add("hidden"); //This line hides the body of the tabs.

        button.addEventListener("click", switchTab); //This line allows the user to click and switch the tabs by the button.

        node.insertBefore(button, document.querySelector("div")); //This line shows that it inserts a node before the referenced node.

      }

      activeTab = document.querySelector("button"); //This line shows the button of the tab.

      activeTab.classList.add("selected"); //This line allows the user to select the tab.

      currentTab = document.querySelector("div"); //This line shows that the tabs are divided if they are not selected.

      currentTab.classList.toggle("hidden"); //This line hides the unselected tabs.

    }

    asTabs(document.querySelector("tab-panel")); //This line shows the properties of the tab panel.

    function switchTab(event) //This line defines the switchTab function.

    {

      activeTab.classList.remove("selected"); //This line shows that the active tab is removed.

      activeTab = event.target; //This line shows tha that the active tab is equal to the target of the event.

      activeTab.classList.add("selected"); //This line shows that the active tab is selected.

      let tabs = document.querySelectorAll("div"); //This line shows that the tabs are equal to the divided tabs.

      currentTab.classList.toggle("hidden"); //This line hides the tab that is previously selected by the user.

      switch(activeTab.textContent) //This line manages the display of the tabs of the multiple tabbed sections.

      {

        case "A":

        currentTab = tabs[0]; //This line and the previous line define the first tab.

        break;

        case "B":

        currentTab = tabs[1]; //This line and the previous line define the second tab.

        break;

        case "C":

        currentTab = tabs[2]; //This line and the previous line define the third tab.

        break;

      }

      currentTab.classList.toggle("hidden"); //This line displays the list of the currently selected tab.

    }

  </script>

</body>

</html>