### **5 Navigation**

#### **5.1 Overview**

* DevExtreme provides navigation components for seamless UI interaction, including **Menu**, **TreeView**, and **Tabs**.
* Supports **adaptive layouts**, **icons**, **hierarchical structures**, and **event handling**.

#### **5.2 Menu**

* **Properties:**
  + items → Defines menu items as an array.
  + orientation → Sets the menu direction ("horizontal" / "vertical").
  + submenuDirection → Controls submenu placement ("auto", "right", "left").
* **Methods:**
  + .option("items", newItems) → Dynamically updates menu items.
* **Events:**
  + onItemClick → Fires when a menu item is clicked.
* **Example:**
* $("#menu").dxMenu({  
   items: [  
   { text: "Home" },  
   {  
   text: "Products",  
   items: [{ text: "Electronics" }, { text: "Clothing" }],  
   },  
   ],  
   onItemClick: function (e) {  
   console.log("Clicked:", e.itemData.text);  
   },  
  });

#### **5.3 TreeView**

* **Properties:**
  + items → Defines the hierarchical structure.
  + showCheckBoxesMode → Enables checkboxes ("normal", "selectAll", "none").
  + expandNodesRecursive → Expands all nodes by default.
* **Methods:**
  + .expandItem(itemKey) → Expands a specific node.
  + .collapseItem(itemKey) → Collapses a specific node.
* **Events:**
  + onItemClick → Fires when a node is clicked.
  + onItemSelectionChanged → Fires when an item is selected.
* **Example:**
* $("#treeView").dxTreeView({  
   items: [  
   {  
   id: 1,  
   text: "Parent 1",  
   expanded: true,  
   items: [{ id: 2, text: "Child 1" }],  
   },  
   { id: 3, text: "Parent 2", items: [{ id: 4, text: "Child 2" }] },  
   ],  
   showCheckBoxesMode: "normal",  
   onItemClick: function (e) {  
   console.log("Selected Node:", e.itemData.text);  
   },  
  });