

CISC124 – Today's Topics		
<ul style="list-style-type: none"> <li>▪ JavaFX application - Summary</li> <li>▪ JavaFX components</li> <li>▪ Tools</li> <li>▪ Examples</li> </ul>		
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JavaFX Summary - Install		
<ul style="list-style-type: none"> <li>▪ Java               <ul style="list-style-type: none"> <li>▪ C:\Program Files\Java\jdk-11.0.2</li> </ul> </li> <li>▪ JavaFX               <ul style="list-style-type: none"> <li>▪ C:\Program Files\Java\javafx-sdk-11.0.2</li> </ul> </li> <li>▪ JavaFX Jmods               <ul style="list-style-type: none"> <li>▪ C:\Program Files\Java\javafx-jmods-11.0.2</li> </ul> </li> <li>▪ PATH_TO_FX (environment variable)               <ul style="list-style-type: none"> <li>▪ "C:\Program Files\Java\javafx-sdk-11.0.2\lib"</li> </ul> </li> </ul>		
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JavaFX Summary - Workflow		
<ul style="list-style-type: none"> <li>▪ JavaFX application class extends Application class</li> <li>▪ When invoking static method <code>launch</code> of Application               <ul style="list-style-type: none"> <li>▪ Starts JavaFX runtime</li> <li>▪ Creates an instance of the application</li> <li>▪ Calls <code>init()</code> method</li> <li>▪ Calls <code>start(javafx.stage.Stage)</code> method</li> <li>▪ Goes into a loop until <code>Platform.exit(0)</code></li> <li>▪ Calls <code>stop()</code> method</li> </ul> </li> <li>▪ <code>Init()</code> and <code>stop()</code> do nothing</li> </ul>		
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Code Layout		
<ul style="list-style-type: none"> <li>▪ Call <code>launch(args)</code> in main</li> <li>▪ Override the <code>start()</code> method               <ul style="list-style-type: none"> <li>▪ Build the content of a scene</li> <li>▪ Create Scene object with root of content as a parameter</li> <li>▪ Load the Stage object with the Scene object</li> <li>▪ Display the Stage object</li> </ul> </li> </ul>		
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Tools		
<ul style="list-style-type: none"> <li>▪ Scene Builder</li> <li>▪ XML</li> <li>▪ Control Class</li> <li>▪ Style Sheets</li> </ul>		
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