

Notice 5/27/2020: This document will soon be deprecated. [This link](#) will send you to the new [C482 Resources Pages](#).

Performance Assessment Resources : Software I (C482 / EDV1)

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[C482 booking link](#): For any Instructor For The Course

Installation Links

Required Java Development Kit --> JDK 8 (Must use this version):

JDK 8:

<https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

(You may have to create an account to get the download. Use your WGU email address, and give them WGU's phone number and street address as yours if you feel uncomfortable with sharing.)

Required Integrated Development Environment (Choose One):

Netbeans 8.2: <https://netbeans.org/community/releases/82/install.html>

or

IntelliJ: <https://www.jetbrains.com/idea/download/>

Optional GUI Builder Software For Java FX (recommended):

Scene Builder: <http://gluonhq.com/labs/scene-builder/>

[Adding FX Ids and FX Handler Methods in your IDE](#)

Asynchronous Cohort And Other Lists

Here is a link to the [Software 1 Check-off list](#) for completing the project.

Here is a link to Evaluation's list of [Common Fail Points for Software 1 \(Java\)](#)

Here is a link to a [Software 1 Check Off Before You Submit](#).

Tutorials

Getting Started with JavaFX Scene Builder 1.1

Tutorial:

http://docs.oracle.com/javafx/scenebuilder/1/get_started/jsbpub-get_started.htm

Video:

https://www.youtube.com/watch?v=rHcnsEoSK_c

Source Code:

http://docs.oracle.com/javafx/scenebuilder/1/get_started/IssueTrackingLite.zip

Scene Builder Tutorial Series

<https://www.youtube.com/playlist?list=PLoodc-fmtJNYbs-gYCdd5MYS4CKVbGHv2>

Creating an address book with FXML

http://docs.oracle.com/javafx/2/fxml_get_started/fxml_tutorial_intermediate.htm

Switching Between Scenes

<https://www.youtube.com/watch?v=LDVztNtJWOo>

TableView Sorting and Filtering (use for your Search Functionality)

<http://code.makery.ch/blog/javafx-8-tableview-sorting-filtering/>

Pluralsight- “*Java SE- Building your first JavaFX Application*” and “*JavaFX Playbook: Controls With The Data Model*” by Buddha Jyothiprasad (go to Pluralsight using link <https://lrps.wgu.edu/provision/114583870> and search for the video courses)

Java Programming Masterclass for Software Developer (requires fee, uses IntelliJ Idea)
<https://www.udemy.com/java-the-complete-java-developer-course/>

Reference Sites

Using JavaFX Properties and Binding

<http://docs.oracle.com/javafx/2/binding/jfxpub-binding.htm>

Understanding Observable Collections (Collections and Concurrency)

<http://what-when-how.com/javafx-2/understanding-observable-collections-collections-and-concurrency-javafx-2-part-1/>

JavaFX 8 Tutorial (A 7-Part Series, uses Eclipse)

<http://code.makery.ch/library/javafx-8-tutorial/>

JavaFX 8 Dialogs

<http://code.makery.ch/blog/javafx-dialogs-official/>

Debugging using NetBeans

<https://www.youtube.com/watch?v=2Z9B8wYhKWw>

(Note: if the variable tab does not show up automatically, try ALT+SHIFT+1)

<https://netbeans.org/kb/docs/java/debug-visual.html>

<https://netbeans.org/kb/docs/java/debug-visual-screencast.html>

Sample Projects

The short NetBeans Project [available at this link](#) is called WGU Course Selector and uses a scene, ListViews, and Observable Array List. You will need to use your @wgu.edu email address for access.

The short NetBeans Project [available at this link](#) is called SearchTwoTableview and uses two TableViews, and two Observable Array List. You will need to use your @wgu.edu email address for access.

The short NetBeans Project [available at this link](#) is called ModifyTableviewMakery and is a variation on SearchTwoTableviews with makery tutorial style bindings and allows you to modify and delete sample parts.

There is a short NetBeans Project available at this link called [GUI Animals](#).

Here's a link to some [sample code](#) which shows you how to populate data from one screen to another screen called Populate Data.

We also have a [checkoff list](#) of directions with related resources to help guide you through building the project.

[Code sample](#) from webinar "Working With Table Views".

[Code sample](#) from webinar "Passing The Football".

Webinar Recordings

High Level Introduction to the Project Specs

In NetBeans:

<https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=e104cef2-bbf2-4224-afc1-aaef011d358d>
<https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d766163d-6720-4a00-b220-aaef0107628c>

In IntelliJ:

<https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=cff71a8e-23c6-4e2f-a847-aaef010ab06f>
<https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=19f87b35-1074-4119-b94e-aaef010aaffe>

How to Implement ALL Features after Introduction to the Project Specs

<https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=2fe956f9-055d-4606-8d11-ab6c0189d50f>

Java Programming Webinar Series (Last update 2019)

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|--|---|
| I) Java Programming Basics I: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=fffd688b-f705-405b-b24f-ab49011ce49a |
| II) Java Programming Basics II: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=3bd58ebb-a8cc-4575-8833-ab49011d0587 |
| III) Methods and Object-Oriented Principles I: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=2180bd98-78b8-4ed7-8b30-ab49011bf5e9 |
| IV) Methods and Object-Oriented Principles II: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d858bc67-ccbc-4a71-ae69-ab49011bf63e |
| V) JavaFX Basics: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=a12ca277-8613-41cd-9aae-ab49011d2d3d |

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| VI) JavaFXML and Model-View-Controller: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=a7dcedbe-0731-45e2-b55b-ab4901528593 |
| VII) Scene Builder and UI Controls I: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=75fe391a-722f-4d69-81ca-ab49011c8a8e |
| VIII) Scene Builder and UI Controls II: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=c4576915-7797-4b4e-8b38-ab49011c9f8e |
| IX) JavaFXML Event Handling I: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=82cd169a-db69-4b39-9410-ab49011d74d3 |
| X) JavaFXML Event Handling II: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=8acfd797-d8f7-4c30-af3a-ab49011bf60e |
| XI) ObservableList and TableViews I: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=058e6f9d-631b-4f38-9ed9-ab49011c71c4 |
| XII) ObservableList and TableViews II: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=b38ee08d-b970-44be-9fdd-ab49011bf66b |
| XIII) ObservableList and TableViews III: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=37894758-08ea-4d5d-8e87-ab49011c2559 |
| XIV) ObservableList and TableViews IV: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=10664ae0-6e85-4acb-989a-ab49011c3a4a |
| XV) ObservableList and TableViews V: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=a86023f3-00bc-4eb1-a703-ab49011c56af |
| XVI) Controller Communication | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=03cb7450-0854-41c5-b79c-ab49011cba70 |
| XVII) Exceptions and Exception Handling: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=5575e1ee-76b3-4059-b7df-ab49011cd579 |
| XVIII) JavaFX Dialog Boxes: | https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=b1ee73d9-df10-4985-9041-ab49011d35db |
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| Various Webinar Topics |
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| Intro to Scene Builder August 2019 |
| Populating a Tableview August 2019 |
| Searching a Tableview August 2019 |

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| <u>Modifying a Tableview August 2019</u> |
| <u>Inheritance Concepts 3/29/2018</u> |
| <u>Passing The Football -> Sending Data Across Screens (11/22/2019)</u> |
| <u>Your IDE And Its Debugger (11/15/2019)</u> |
| <u>Working With Table Views (11/08/2019)</u> |
| <u>Static Methods And Attributes In Java (11/01/2019)</u> |
| <u>Simple Name And ID Searching For C482 (02/28/2020)</u> |
| <u>The A, B, C's of C482 (Requirements) (01/24/2020)</u> |
| <u>Generating Unique Ids For Your Parts 05/29/2020</u> |
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