



# CS 250 Module Three Developing Basic ListView Control Assignment Guidelines and Rubric

## Overview

This assignment will help you continue your exploration of the Java programming language and the Eclipse environment. This will help prepare you for the tasks you need to complete when you assume the role of developer in Module Five. You will be asked to run an existing program and then make small changes to customize it.

## Directions

To continue your exploration of the Java programming language and the Eclipse environment, you will modify an existing program to fulfill a user story. To do this, run the program provided and then make your changes by completing the following steps:

### I. Modify an existing program to fulfill a user story.

A. Review the following user story from the Product Owner for the SNHU Travel project:

**User Story Number:** 1

**User Story Name:** Top Five Destination List

**User Story Size:** Medium

**User Story Value Statement:** As an end user, I want to click a link to view the top five destinations list so that I can see the most popular locations for travel to educate myself on the best places to go.

**Acceptance Criteria:**

- Ability to click link that takes user to a page displaying top destinations
- Ordered list of destinations from the most popular location to the fifth-most popular
- Each destination on the list will have the following attributes shown:
  - Destination name
  - Destination short description (one sentence)
  - Destination picture

- Text with embedded link to take user to top-selling travel package for that location

B. Download the [SampleListView](#) ZIP file to your computer. Right-click on the folder and select **Extract All...** In the unzipped folder, find and run the BasicListViewControl JAR file. This will allow you to see the template before you make customizations.

C. Import the [Basic List View Control](#) ZIP file into a new project in your Eclipse IDE.

- **Note:** You will need to upload and download files to the Codio virtual lab using Microsoft OneDrive, following the instructions in the Codio Student Guide located in the Codio module. It is also recommended that you periodically save your work to Microsoft OneDrive, following the instructions in the Codio Student Guide.

D. Using the source code given, **update the simple list to your top five chosen destinations. Include the destination title, a short description, and a small image for each.** This will help ensure that you have fulfilled the acceptance criteria of the user story. Refer to the [Developing Basic ListView Control in Java Tutorial](#) to help you with this task.

## II. Add images and additional customizations.

A. Add images for each destination and **at least one** additional customization, color scheme, or the like to make the control as elaborate as you want. **Be sure to include clear and concise comments to explain your changes.**

- Wikimedia Commons is an excellent source for copyright-free images. Be sure to credit the author or creator.
- For additional information on adding images to a Java project, watch this video: [Loading Resources in Java Using Eclipse IDE](#) (4:01). A video transcript is available: [Loading Resources in Java Using Eclipse IDE Video Transcript](#).

B. Finally, add a label with your name on it.

### What to Submit

Export your Eclipse Java Project to a runnable JAR file. This will include the source code and the image files so the full basic ListView control can run. Next, compress (zip) your JAR file and Java project. Submit your zipped file to Brightspace.

Note: For additional instructions on how to create a runnable JAR file, use the following instructions: [Export Java Files to Runnable Jar Files](#). For additional instructions on how to compress (zip) files, review the [Compressing Files in Windows](#) tutorial.

Module Three Developing Basic ListView Control Assignment Rubric

Criteria	Meets Expectations (100%)	Partially Meets Expectations (85%)	Does Not Meet Expectations (0%)	Value
<b>Software Functionality</b>	Provides functioning software and image files that contain all the required updates and customizations	Shows progress toward meeting expectations, but with errors or omissions; areas for improvement may include functioning software, or addressing all required updates	Does not attempt criterion	40
<b>Code Customization</b>	Provides customized code that includes images for each list item and at least one additional customization	Shows progress toward meeting expectations, but with errors or omissions; areas for improvement may include customized code or inclusion of images	Does not attempt criterion	30
<b>Code Comments</b>	Provides concise comments that clearly explain the purpose and function of the changes	Shows progress toward meeting expectations, but with errors or omissions; areas for improvement may include clarity or conciseness of comments	Does not attempt criterion	30
<b>Total:</b>				100%