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| **Learning Objectives** | * Write the methods that complete the program. * Test the program to verify if it works properly. * Prepare the program to handle wrong data format insertion. * Create Unit tests to automate the program validation. |
| **Assessment** | * **Project**: Complete the assessment criteria in the project [rubric](https://docs.google.com/spreadsheets/d/1vfhUEsuHHIgsA24pPr5Pi-hSinSbyUwm4NnpJ9Mb3Tc/edit?usp=sharing). |

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| **Time** | **Activity** |
| (3 min) | **OPENING** |
| (2 hours 45 min) | **Project: StudentGen project in Github**   * [StudentGen project in Github](https://github.com/generation-org/JAVA/blob/master/Final%20Project/README.md) |
| (10 min) | **DEBRIEF** |
| (2 min) | **CLOSING** |

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| **OPENING (3 min)** |

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| **Activity Type** | Reading |
| **Framing Text** | Welcome to the end of course assessment for the Java Programming Fundamentals module!  In this session, you will complete the **StudentGen project in Github.**  By the end of this session, you will be able to:   * Write the methods that complete the program. * Test the program to verify if it works properly. * Prepare the program to handle wrong data format insertion. * Create Unit tests to automate the program validation. |
| **Assets** | * n/a |

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| **Project: StudentGen Project (2 hours 45 min)** |

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| **Activity Type** | GitHub content |
| **Framing Text** | Put your Java coding skills to the test! Use what you have learned in this course to create a program that enrolls students in Generation Courses.  Remember to review the [assessment requirements](https://docs.google.com/spreadsheets/d/1vfhUEsuHHIgsA24pPr5Pi-hSinSbyUwm4NnpJ9Mb3Tc/edit?usp=sharing) to know how you will be graded on this project.  This will take you approximately **2 hours 45 min** to complete.   * [StudentGen project in Github](https://github.com/generation-org/JAVA/blob/master/Final%20Project/README.md)   Happy coding!   |  | | --- | | **Note**: Please reach out to instructors asking for help if you get stuck with Github’s content. | |
| **Assets** | * [StudentGen project in Github](https://github.com/generation-org/JAVA/blob/master/Final%20Project/README.md) |

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| **DEBRIEF (10 min)** |

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| **Activity Type** | Submission and Reflection |
| **Framing Text** | Now that you have completed the assessment, you are ready to show your instructor and your peers what you built!  **Directions:**   * **Send** a link to your repository to your instructor. * **Post** a link to your Github pageto your peers.   Once you have posted your submission, **take** time to review and answer the following.  **Questions:**   * **What did you like about this project?**   **It is so challenging, will let understand more about oop concept**   * **What did you struggle with in this project?**   **Passing instances or class, using hashmap nested list**   * **What would make your experience with this assessment better?**   **Understand how to use different collections, and different methods type. Eg. Void, return, static** |
| **Assets** | * n/a |

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| **CLOSING (2 min)** |

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| **Activity Type:** | Reading |
| **Framing Text:** | Thank you for working through this assessment session.  By now you should be able to:   * Write the methods that complete the program. * Test the program to verify if it works properly. * Prepare the program to handle wrong data format insertion. * Create Unit tests to automate the program validation. |