Revature SPARK Program Syllabus

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| Instructor Cynthia Enciso Email cynthia.enciso@revature.com Class link https://revature.zoom.us/j/94050067691?pwd=Z0RZZG9CUUdVem51S09CRktWUFpCdz09 Office Hours By appointment between: Mon-Fri. 10 am ET – 6pm ET | Course Overview Reinforce the fundamentals of programming and software development.  Subjects: HTML, CSS, JavaScript, Java Required Software Visual Studio Code *> free text editor from Microsoft; instructions for download can be found in week 1, day 1 of the curriculum on RevaturePro*  Java (JDK version 1.8 or later) > *free programming language; instructions for download can be found in week 2, day 4 of the curriculum on RevaturePro*  Eclipse IDE  >*integrated development environment designed to make writing and running Java easier; instructions for installation and download can be found in week2, day 4 of the curriculum on RevaturePro* Resources Slack, RevaturePro, Zoom lectures |

# Assignment Schedule

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| Deadline | Assignments | Week |
| 10/11/2021 10 am ET | |  | | --- | | Lab: Create an "About Me" Page | | Lab: Create a "Likes and Dislikes" page | | Lab: Create a Shopping List | | Lab: Create a Stylesheet for Your HTML Pages | | Lab: Style Your "About Me" page | | **Week 2**   * Turn in week 1 labs |
| 10/18/2021 10 am ET | Labs:   |  | | --- | | JSLab1: Hello World in JavaScript | | JSLab2: Variables | | JSLab3: Basic Built-In Functions | | JSLab4: Primitive Datatypes | | JSLab5: Operators | | JSLab6: Debugging Variables and Datatypes | | JSLab7: Arrays | | JSLab8: Debugging Arrays and Operators | | JSLab9: Comparisons | | JSLab10: Conditional Blocks | | JSLab11: Loops | | JSLab12: Iterating Over Arrays | | JSLab13: Variables Revisited | | JSLab14: Debugging Loops and Conditions | | JSLab16: Functions | | JSLab17: Objects | | JSLab18: Functions Revisited | | Lab: Implement the Palindrome Algorithm | | Lab: Peano Addition | | Lab: Test Prime Numbers | | JSLab15: DOM manipulation |   Projects:   |  | | --- | | Project #1: Unit Converter Website | | Project #2: Guessing Game | | **Week 3**   * 20 labs from first two weeks due * Projects 1 and 2 due |
| 10/25/2021 10 am ET | Labs:   |  | | --- | | Lab: Print Your Name to the Console | | Lab: Display Primitives | | Lab: Using Arrays | | Lab: Creating Packages | | Lab: Common String Methods | | Lab: Writing Methods | | Lab: this keyword | | Lab: Static vs. Instance Members | | Lab: Parsing User Input | | Lab: Inheritance | | Lab: Final Keyword | | Lab: Has-A vs. Is-A Relationships | | Lab: Override equals() | | Lab: Constructors | | Lab: Access Modifiers |   Projects:  Project #4: Java Unit Converters | **Week 4**   * 10 labs from third week * Project 4 |
| 11/1/2021 10 am ET | Labs:   |  | | --- | | Lab: Polymorphic References | | Lab: Downcasting References | | Lab: Abstract Classes | | Lab: Abstraction | | Lab: Default Methods | | Lab: Handling Exceptions | | Lab: ArrayList | | Lab: Sets | | Lab: Create a Dictionary | | Lab: Implement a Linked List | | Lab: Implement a Stack |   Projects:  Project #3: Hangman  Project #5: Home Tour | **Week 5 (SPARK is finished):**   * Turn in 20 total labs from weeks 3 and 4 * Turn in at least one more project (either project 3 or 5) |

# Exam Schedule

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| Start: | Due: | Subject |
| Week 1: 10/8 3:00 pm ET | Week 2: 10/11 6:00 pm ET | HTML/CSS |
| Week 2: 10/8 3:00 pm ET | Week 3: 10/18 6:00 pm ET | JavaScript |
| Week 3: 10/8 3:00 pm ET | Week 4: 10/25 6:00 pm ET | Java |
| Week 4: 10/8 3:00 pm ET | Week 5: 11/1 10:00 am ET | Cumulative |

# Late Policy

* All lab and projects submissions can be turned in later than due date, however if you fall too far behind you may not be able to proceed to a technical screening.
  + Reach out to me as soon as this start to slip. I am here to help and on your side!
  + It is in your best interest to meet deadlines. They will keep you on track.
* I allow ONE exam make-up

# Minimum Passing Requirements:

* 40 labs (20 from each half of the program)
* 4 out of 5 projects with a passing average (70%)
* 70% average on weekly exams