✓ **Congratulations! You passed!**
TO PASS 80% or higher

[Keep Learning]

GRADE
80%

Graded Quiz: Test your Project understanding

LATEST SUBMISSION GRADE

80%

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1. How do you set up data validation in Google Sheets?   `1 / 1 point`

   ● Click on Data > Data validation and edit a list of item, items by range or other options to validate data

   ○ Use a dataSheet.filter() method in Google Apps Script

   ○ Click on Tools > Data > Format > Validate and use a parameter to validate the data

   > ✓ **Correct**
   > Correct! Data validation is very useful to build a pre-set list of items against which validating the correctness of data, and allowing a handy user selection.

2. What is conditional formatting and how could it be useful?   `1 / 1 point`

   ○ A way of formatting data with an external software to save time

   ● Formatting data based on certain predefined conditions (or rules), it helps updating the project sheet immediately as it is edited, e.g. with clear color coding

   ○ A way of formatting data for better esthetics using HTML

   > ✓ **Correct**
   > Correct! Conditional formatting is a very handy way to visualize data as it changes, for example to signal the status of a project task in a project management plan.

3. What are IF, AND and CONCATENATE in Google Sheets, and how to use them?   `1 / 1 point`

   ● They are functions in Google Sheets, or formulas, useful to make the sheet dynamic, create "if" statements, verify multiple statements, and build a cell value sequentially attaching the values of different other cells.

   ○ They are Apps Script methods to perform numerical operations

   ○ They are functions in Google Apps Script to iterate operations and create new data structures from the previous data, useful to update the sheet more often.

   > ✓ **Correct**
   > Correct! Formulas or functions are a great way to automate calculation and formatting task automatically in spreadsheets, in addition to the more powerful possibilities of Apps Script.

4. How can you structure data collections for ease of reference throughout the Apps Script?   `1 / 1 point`

   ○ Create a set of variables and arrays in each function to be used as needed

   ● Create dictionary-like objects and reference to their keys throughout the functions

   ○ Organize data in external files and recall them as needed

   > ✓ **Correct**
   > Correct! While Apps Script is derived of Javascript and doesn't use dictionaries, we can create dictionary-like object to organize our data in collections.

5. What are triggers and what kinds are available in Google Apps Script?   `1 / 1 point`

   ○ Triggers are changes in the spreadsheet cells that can change the content of other cells

   ◉ Triggers are conditions executing functions when occurring. They can be time based, spreadsheet event based or calendar based.

   ○ Triggers are functions built in Apps Script to erase data or create new sheets

> ✓ **Correct**
>
> Correct! Triggers can be created in the code or via Graphic User Interface to quickly set up conditions under which functions of the Apps Script should be executed.

6. How do you add HTML content to an email sent via App Script?   `0 / 1 point`

   ○ Create a multiline string variable or an array containing HTML code, inserting script elements with the $ sign

   ◉ You can't send HTML content with Apps Script v8 functions

   ○ Add an external HTML file and print it with Sheets formulas

> ! **Incorrect**
>
> Incorrect. Please check Task 5 in your guided project to know more about how to format HTML code for the Apps Script output.

7. What method pertaining to what class can send emails in Apps Script?   `0 / 1 point`

   ○ MailApp.getSpreadsheet.sendEmail or MailApp.sendEmailCoreTeam

   ◉ MailApp.getEmailByName

   ○ MailApp.sendEmail or GmailApp.sendEmail

> ! **Incorrect**
>
> Incorrect. Please check Task 4 in your guided project to learn more about the emailing classes and methods available in Apps Script.

8. How do you prioritize the communication to stakeholders?   `1 / 1 point`

   ○ Checking their spreadsheet activities with personalized functions

   ◉ Scoring each by interest and influence on the project on a two dimensional matrix

   ○ Checking their role via a spreadsheet formula

> ✓ **Correct**
>
> Correct! This is in reference of stakeholder management utilized matrix such as Mendelow's matrix and its derivatives.

9. How do you add an Apps Script third party library?   `1 / 1 point`

   ○ By importing directly the code via GitHub plugins

   ◉ Inserting the public project key in the Resources>Libraries>Add a library section of Script Editor, or manually copying code in a separate script file in the project

   ○ Adding code directly in the spreadsheet via the Tools > Libraries > Rendition menu

> ✓ **Correct**
>
> Correct! Public project keys are the values utilized to insert a published library and Apps Script example in your current document.

10. What authorizations are needed when running a script?   `1 / 1 point`

   ◉ It depends on the functionalities utilized, you can check requirements in the project Scopes tab and you will be prompted to give authorizations when the functions are run

   ○ Authorizations can be granted only by a Gsuite administrator or executed via a third party library

○ No authorizations needed

✓ **Correct**
Correct! Different classes will grant and require authorizations/interaction with Google products, depending on the methods utilized in the Script (e.g. editing spreadsheets, sending emails, access to account information etc.)