## **Objective**

*The objective of this activity is to apply the principles and techniques of exploratory testing to your software project. By performing exploratory testing, you will uncover potential defects, gain a deeper understanding of your software's behavior, and provide valuable feedback to improve its overall quality. Here are the tasks you have to do:*

* **Identify specific areas or functionalities within your software project that you want to target for exploratory testing.** These areas could include critical user workflows, complex modules, or recently implemented features.
* **Plan Exploratory Testing Sessions.** Divide your exploratory testing into multiple sessions, each with a defined duration (e.g., 1 hour per session). Determine the number of sessions based on the complexity and size of your project. Aim for a sufficient number of sessions to cover significant functionality.
* **Test Charter Creation.** For each testing session, create test charters that outline the high-level goals, adopted tour (theme), areas to be explored, and key aspects to focus on during the session. These charters will guide your testing and help structure your exploration.
* **Execute Exploratory Testing.** Begin each testing session by following the designated test charter. Actively explore different paths, inputs, edge cases, and error scenarios. Be attentive to unexpected behaviors, potential defects, and areas of the software that require further investigation.
* **Document Findings.** Document your exploratory testing findings, including observed behaviors, unexpected results, potential defects, and suggestions for improvements. Include relevant artifacts such as screenshots, logs, or video recordings to support your observations. You may use the template provided in the lesson to document the findings.

**Plan Exploratory Testing Sessions**

The first area of the code we’ll target for exploratory testing are the utility functions as defined in SpaceTime API docs.

**Plan Exploratory Testing Sessions**

The functions described are mutually exclusive, which makes testing each one easier. Therefore, we only need 1 session. We will cap the session at 1 hour. This will give us full coverage of the utility functionality.

**Test Charter Creation**

The API docs describe the functionality and return type of each function. The goal of this session is to verify that the functions execute as defined in these docs. We will be following the Guidebook Tour approach to achieve this.