# Planit Technical Assessment – Automation:

1. **What other possible scenarios would you suggest for testing the Jupiter Toys application?**

Answer: The other scenarios I would be suggesting for Jupiter toys application will be TDD(Test Driven Development) using cypress. Software development is a process that relies on requirements being turned into very specific test cases. After writing these test cases, the code is then written and checked against other test cases. The final step in the TDD process is to iterate and improve the code to make sure it adheres to the best practices required and that the test cases pass. The purpose of TDD is to visualize the end before test has started. That way it is possible to foresee the problems or hurdles that may arise during the development process. This approach can be used for Jupiter Toys application.

1. 2. Jupiter Toys is expected to grow and expand its offering into books, tech, and modern art. We are expecting the of tests will grow to a very large number.
2. **What approaches could you used to reduce overall execution time?**

Answer: Cypress await and async can be used to reduce overall execution time. Nesting a single level is straight-forward, but multiple levels of nesting can become much harder to understand. Async/await makes it much easier to unwrap values, but Commands are not Promises.

1. **How will your framework cater for this?**

Answer: In my test i have written cy.wait(15000) explicitly instead of that we make use of API call for implicit wait such as

Cy. Intercept('\*\*/<network Call>').as('<getNetworkCall>');

Which reduces a lot of wait time.

And call timeout as follows:

cy.wait("@<getNetworkCall>", { timeout: 15000 });

**3).Describe when to use a BDD approach to automation and when NOT to use BDD.**

Answer: It Stands for Behavior Driven Development.it focuses on the behavior of an application for the end user. Scenarios are more readable. BDD scenarios are not much impacted by the functionality changes. Collaboration is required between all the stakeholders. Might be a better approach for projects which are driven by user actions. For eg: e-commerce website, application system, etc. Tests in BDD can be understood by any person including the ones without any programming knowledge. Bugs in tests are difficult to track.