**Individual Project**

**Test Plan**

**Software Engineering**

**beer.io**

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# What am I testing?

The following parts of the application are going to be tested. That would help with delivering an optimal product. They include but are not limited to:

* Backend extraction testing; This type of testing is essential to ensuring proper database to system intractability
* Backend component integration; This type of testing is enabling us to check if the system components interact as designed
* API testing; Also known as endpoint testing, these tests are going to ensure proper connectivity to any client/headless frontend
* Frontend e2e testing; The frontend components will be tested to ensure proper loading and handling of state

# How am I testing?

In this chapter we will investigate the technological stack and tooling that would enable us to execute the previously mentioned testable components, ensuring quality and long-term maintainability.

* JUnit 5 – unit tests in the backend
* AssertJ – comprehensive assertion
* Mockito – mocking services and database
* Cypress – automated headless e2e testing