

# FULL STACK

## Capstone Project



# Introduction

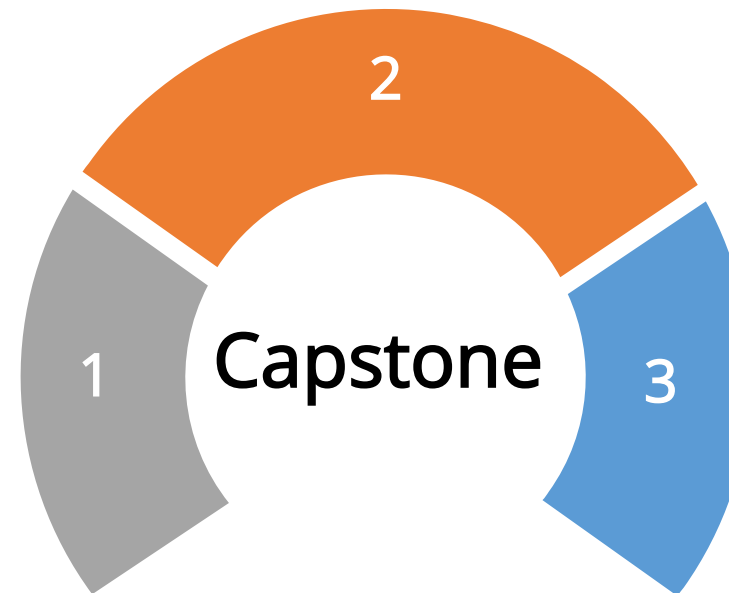
A capstone project is a major project that aims to deliver end-to-end functionality of a business application.

## Multiple technologies

Every stage of a capstone project can be implemented with different technologies and frameworks present for the operations.

## Multi-level

It is a multi-level project with different stages, such as back-end, front-end, automation, and DevOps, depending on the technology.



## Scalable

Due to its dynamic nature, it is built around various domains and business use cases that make it scalable.

# Medicare

## Agenda:

Develop a comprehensive QA and test environment for an online medicine purchasing website and automate the whole testing process.

This QA and test environment should be inclusive of the following testing layers:

- Browser-based end user testing
- Unit testing for back-end elements of the website
- API testing on cloud
- Automating the whole testing process



# Medicare

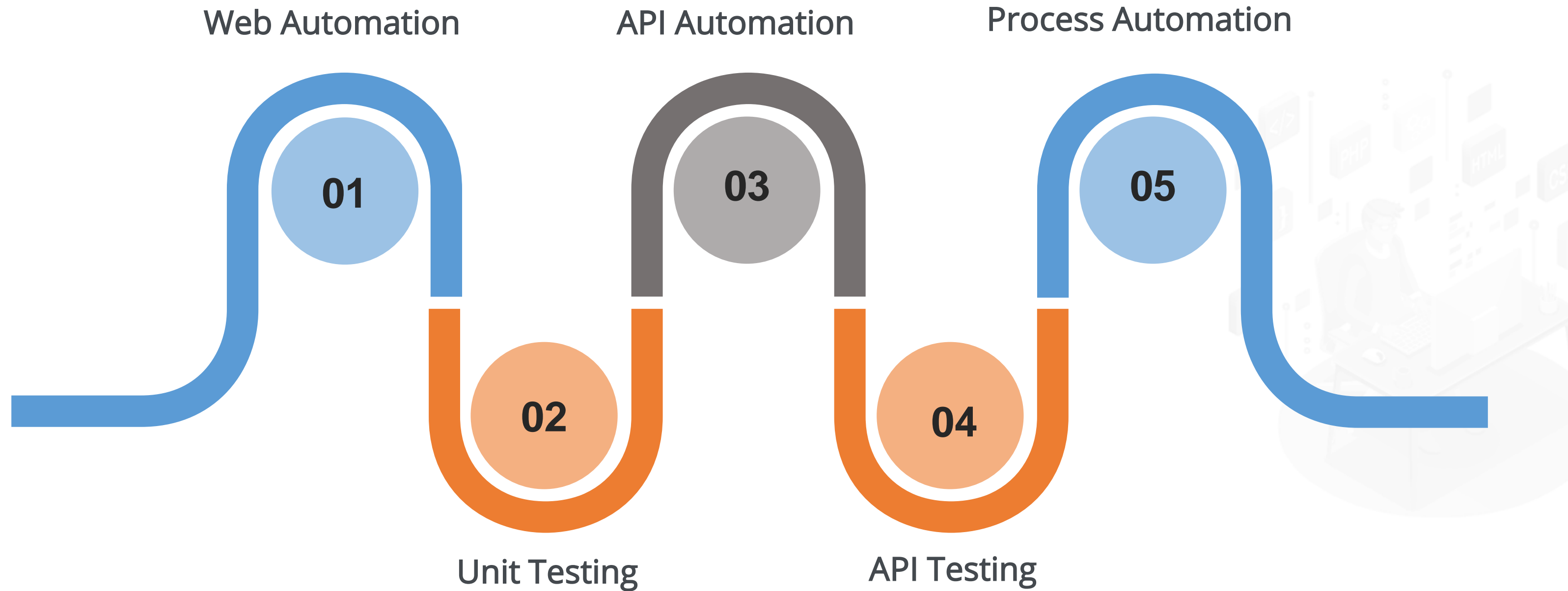
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## Background of the project:

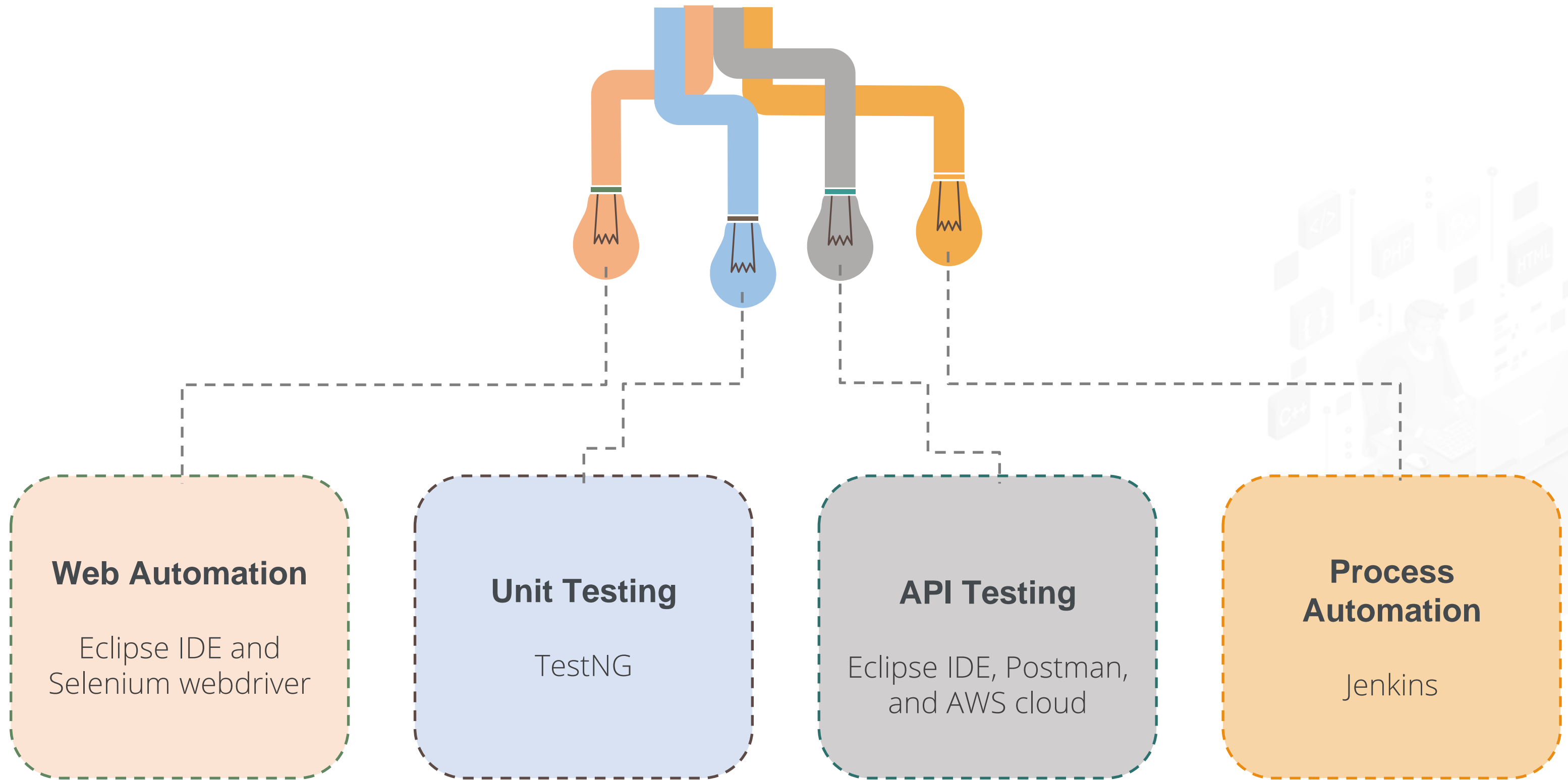
Medicare is a company that supplies medicines and a couple of other healthcare essentials at an affordable price. It was established in 2012 in Delhi, India.

- The admin portal deals with all the back-end data generation and product information.
- The admin portal adds, removes, and edits medicine details from the application to build a rich product line.
- The admin portal enables or disables a product.
- The end user is able to log in and register for the application.
- The end user searches for products.
- The end user can apply filters and sort results based on different parameters to get the best deals and add it to the cart and complete the purchase.
- The end user receives an order summary details page once the payment is complete to make the necessary arrangements.

# Project Development Flow



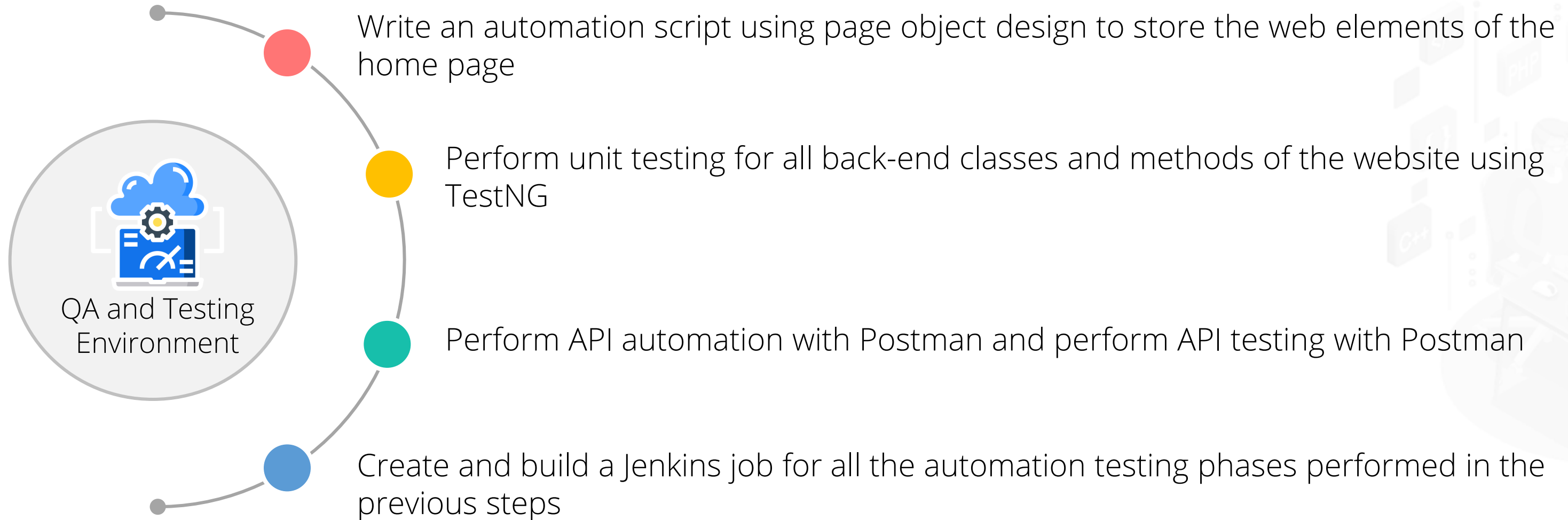
# Technologies





# Required Testing Layers

Below are the key responsibilities and functionalities to be implemented in the QA and testing environment:



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Thank You