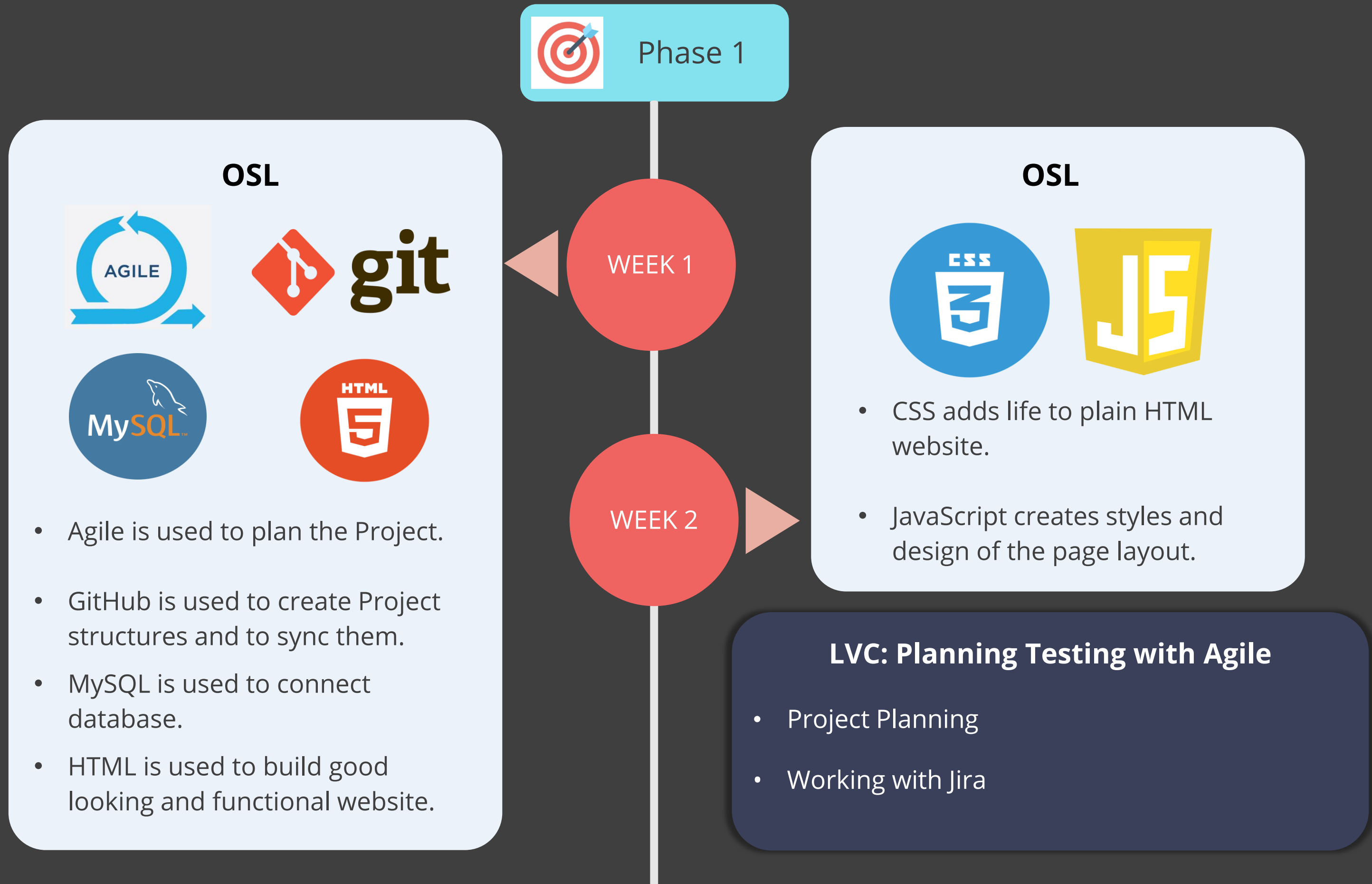


This course is designed to offer a process to test software and other technical products to ensure it meets strict requirements.



## OSL



WEEK 3

- Angular helps to build single-page client application.

## OSL



- Cypress aims to address the pain points faced by developers or QA engineers while testing an application.

WEEK 4

## LVC: Setting the Project Structure and Sync with GitHub

- Setup, Configure, and Build Projects

## LVC: Setting up the Angular Projects

- Setup, Configure, and Build Projects



## LVC: Automation Testing with Cypress

- Setting up Cypress
- Cypress Configuration

WEEK 5



## Phase 2

### OSL



- Java creates a web application that can be accessed from different networks .
- JDBC communicates with database.
- TDD focuses on creating unit test cases.

WEEK 7

WEEK 8

### OSL



- Selenium helps in generating test scripts to validate functionality.
- JUnit helps in streamlining the automation testing process and provides an easier approach in writing test cases.

### LVC: Testing with Selenium and JUnit

- DataBase Testing

## OSL

cucumber

JUnit

- Cucumber helps to test built application.
- JUnit helps in streamlining the automation testing process.

WEEK 9

## OSL



- TestNG is a test automation framework for Java that covers all aspects of test automation.

WEEK 10

## LVC: Automation Scripts with Page Object Model in Selenium

- Automation Scripts for Web Admin Dashboard and End User Web App

## LVC: Test Automation with Cucumber and Selenium

- Configure Cucumber

## **LVC: Testing with TestNG and Selenium**

- Setup Java Project for Angular Web Applications

WEEK  
11



## Phase 3

### OSL



REST-assured

- Postman is an application that allows users to test APIs using a graphical user interface.
- Rest Assured is a Java-based library used to test RESTful web services.

WEEK  
13

### OSL



- Apache JMeter is an open-source software, a 100% pure Java application designed to check load tests.

WEEK  
14

### LVC: Test APIs of Admin Backend with Postman

- API Testing

### LVC: Performance Testing with JMeter

- Load Testing

WEEK  
15

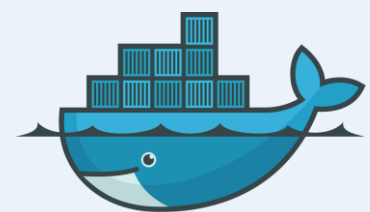
### LVC: Test WebServices of Admin Backend with REST Assured

- RESTful Web Service Testing



## Phase 4

### OSL



**docker**



**Jenkins**

- Jenkins helps in generating a build after merging the new changes.
- Docker helps to separate applications from the infrastructure to deliver softwares quickly.

WEEK  
17

WEEK  
18

WEEK  
19

### OSL



**Jenkins**



- Jenkins helps in generating a build after merging the new changes.
- AWS provides servers, storage, and networking.

### LVC: Build and Test with Jenkins

- Build Automation

### LVC: DevOps

- Containerization with Docker

### LVC: Cloud Computing using AWS

- Configure AWS EC2
- Deploy Angular Projects to AWS EC2 Instance