Challenges and Strategies of software testing
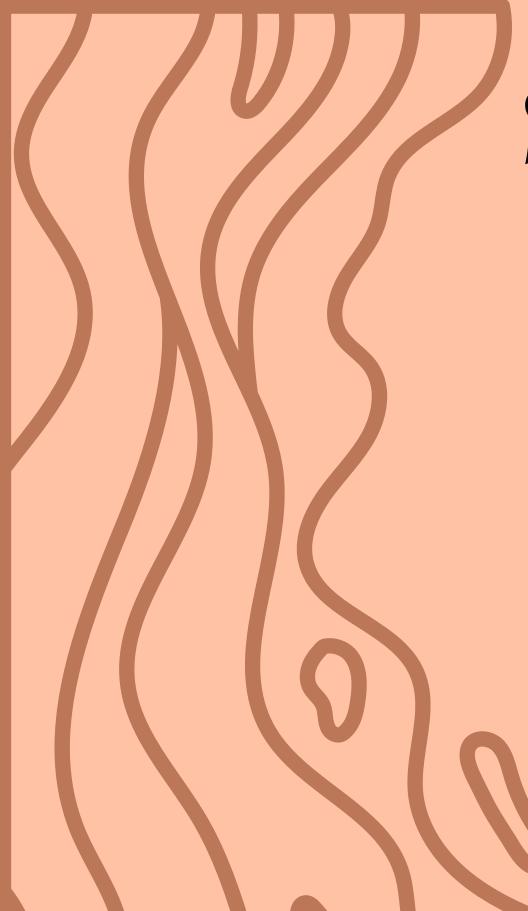
DANIAL SHAKEEL

BSCS–F19M73

SECTION B

Software Testing

Software testing is the process of assessing the functionality of a software program. The process checks for errors and gaps and whether the outcome of the application matches desired expectations before the software is installed and goes live.

Challenges

1. Lack of Communication
2. Missing Documentation
3. Diversity in Testing Environments
4. Inadequate Testing

Strategies

A software testing strategy is the set of steps that need to be done to assure the highest possible quality of an end-product.

Strategies

1. Before testing starts, it's necessary to identify and specify the requirements of the product in a quantifiable manner.
2. Specifying the objectives of testing in a clear and detailed manner.
3. For the software, identifying the user's category and developing a profile for each user.
4. Developing a test plan to give value and focus on rapid-cycle testing.
5. For the testing process, developing a approach for the continuous development.

Conclusion

Software testing is an important part of the software development process. It is not a single activity that takes place after code implementation, but is part of each stage of the lifecycle. A successful test strategy will begin with consideration during requirements specification. Software testing is an important part of the software development process. It is not a single activity that takes place after code implementation, but is part of each stage of the lifecycle. A successful test strategy will begin with consideration during requirements specification.

Thanks