**Unit 33 Application Development Using Project Management Methods**

Understand development tools and environments

33.1.4 I can appreciate (describe) the need for testing and project based development

I can describe the need for testing and project based development . These are some main advantages of testing . It saves time . catches bugs and errors in early development stage. It saves costs of late bugs. It meets requirements .

These are some popular methods of testing manual testing , Automatic testing , Blackbox testing , Whitebox testing .These are some populare testing tools (Selenium , Nunit , Cucumber (Specflow) . In project based development you can have increased team efficiency , team development , enhanced transparency , improved quality . We can use agile , scrum as a project management tools .