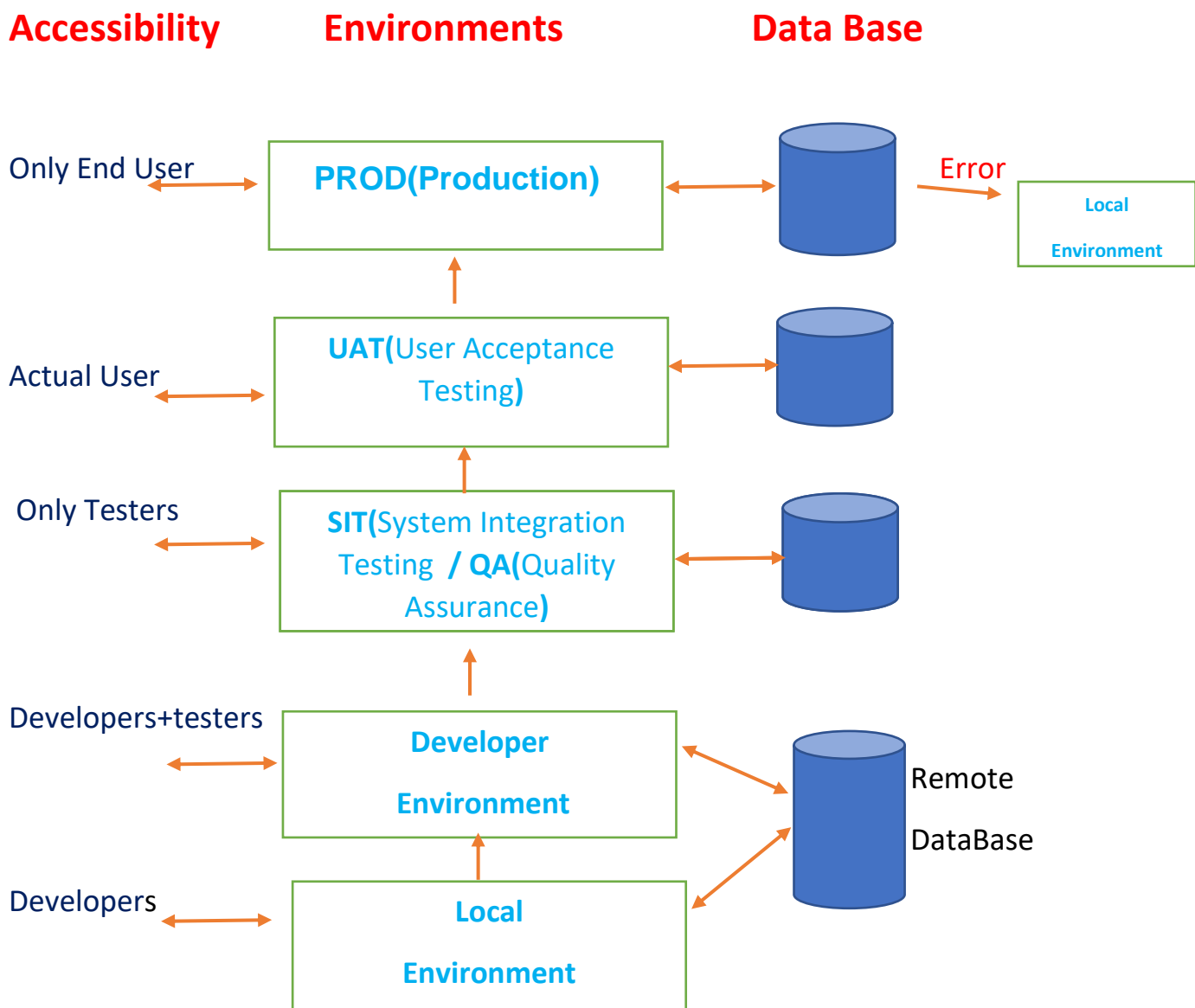# Software Development Environment of a company

Development Environment:

A development environment is a collection of procedures and tools for developing, testing - debugging an application and deployment.

Software Development Environment Hierarchy :

Accessibility	Environments	Data Base

Local Environment :

where every developer is able to work on his own sandboxed local server with the tools they are most comfortable with. A sandboxed development environment will reduce the risk of influencing or destroying other developers work. You will have full control on the configuration of your server environment plus full access to any logfiles you'll probably need during development and debugging.

Developer Environment :

where every developer is upload is work after completing, and the Manger or Lead one who assigned work for you , check it out the code and pass to the next environment or send back to the local environment for any correction.

SIT Environment :

System Integration Testing is performed to confirm whether the modules tested individually can work together to deliver the required functionality. Modules tested individually may work fine, but when they are integrated together some issues may occur. System integration testing is performed to test the dependency between modules through transfer of data from one module to another.

UAT Environment :

UAT (User Acceptance Testing) is conducted at the end of the whole testing process when the product is ready to deliver. The main aim of software development is to develop software that is capable of satisfying the user needs, rather than just fulfilling the system specifications.

PROD Environment :

Every time you talk about making your project live, this is the environment you are talking about. The production environment is where users access the final code after all of the updates and testing. Of all the environments, this one is the most important. Once you're in production, any bugs or errors that remain will be found by a user and you will only fix it and hope it's something minor.

By:

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