API TESTING TASK

**API Testing:**Application programming interface by this we can communicate between two different software.We do API testing to meet the goals of business .To test the core functionality.

API testing is language independent because API testing data is exchanged using XML and JSON and these are completely language independent .

**Why we use API:**are the sets of requirements that allows us to communicate from one application to another application.It makes possible to us to move information between programs example you can access different banks accounts from one atm machine.

**Response codes :**

**1xx:**communicates transfer protocol level information

2xx:Indicates that the client request was accepted successfully

3xx:client some take addition action in order to complete its request.

4xx:it points the finger at clients,

5xx:server takes responsibility for the error

**Rest API:**it determines how api looks like.It stands for Representational State transfer.it is basically the set of the rules that developer follow while creating API like you should be able to get a piece of data when you link to a specific url.

**Web services and Rest services:**in web services the services are provided only within the network whereas in rest they are provided outside the network

**Requirements of api testing:**We do API testing to meet the goals of business .To test the core functionality.

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**Error**: a mistake in coding is called error the same error found by tester is called **defect** and that defect accepted by the developer is called **bug.Fail** is a condition that cause the software to fails to perform its required function.**Fault** discrepancy in code that cause a failure