(this document is incomplete)

<mark>WHAT IS AN API</mark>

Application programming Interface is (API) is a software interface that enables two application to communicate

Its is a interface that enables two application to communicate without requiring any user to get involved , enabling data exchange and communication between the software programs

APIs are basically middle layers that helps transfer the information sitting between the application and web servers

<mark>FEATURES OF AN API</mark>

- Authentication
- Authorization
- Rate Limiting
- Caching
- Data Validation
- Documentation
- Error Handling
- Security

<mark>FOUR MAJOR TYPES OF API</mark>

- Open API
- Partners API
- Internal API
- Composite API

<mark>COMMUNICATION LEVEL OF API</mark>

- High level API
- Low level API

<mark>APPLICATION OF APIs</mark>

- Payments
- Social media

- Maps
- Analytics
- Security
- Mobile apps
- Cloud computing
- Banking
- Geolocation

<mark>WHAT IS WEB APIs</mark>

- EXAMPLE OF WEB APIs
- 1.Google maps APis
- Youtube APis
- The flicker
- Twitter

<mark>API TESTING TOOLS</mark>

- APigee
- SoapUI
- Katalon
- Postman
- Assertible