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1. A brief description of the challenges of mobile testing related to this app.

Ans. Testing a mobile application can be more difficult than testing a desktop application since mobile testing has its own unique set of difficulties. When testing this software on mobile devices, the following difficulties might arise:

* Device Fragmentation: The program must be tested across a variety of hardware, operating systems, and screen sizes. This may be a difficult process, particularly for android smartphones, which are far more fragmented than iOS devices.
* Network Connectivity: in order for the app to communicate with servers and devices. There must be network connectivity. To make sure the app functions well across all the network situations, it is crucial to test it using various network type, speed and configuration.
* Resources: The battery, memory and computational capacity of mobile devices are all finite. To function efficiently on devices with different levels of resources, the app has to be optimized.
* Security: Malware, viruses, and hackers are among the security risks that mobile devices are susceptible to. To guarantee that user data is safeguarded, the app has to be tested for security flaws.
* User Experience: For mobile apps, user experience is crucial. On many platforms and devices, the app has to be tested for usability, responsiveness, and accessibility.

1. Mind-Map

Diagram

Description automatically generated