Lecture 26_Hometask 1_Checklist for EasyWay mobile application (iOS)

Functional Testing (by Features)	✓
Login	
Navigator	
- Near By	
- A-B (Setting the Rout)	
- Compiling options (type of transport, type of root)	
- Routs	
Routs (by GPS/Schedule, Filters)	
- Metro	
- Trolleybus	
- Tram	
- Bus	
- Train	
- Fast tram	
- Rout Taxi (marshrutka)	
- Inter-city bas	
Alerts	
Favorites	
Offline maps	
- Metro	
- Trams	
- Public transport	
Transport Card	
Functional Testing (by Scenarios: positive and negative)	
Screen extension and size	
Messages can be received, sent and stored while the app is active	
Check for error messages such as "Network error. Try again later" in in case of incorrect network operation	
Usability Testing	
Navigation is clear and intuitive	
Buttons and field for typing are of convenient size	
Zoom-in and Zoom-out work correctly.	
The user can go back or cancel the action if the wrong button is pressed	
UI Testing	
All buttons, icons links and tool bars are clickable	
Fonts(type, sizes) margins, layout, text boxes, text formatting are of the appropriate style, size and colors	
The commercials are not excessive and they do cover the app control buttons (the close button).	

Compatibility Testing	
FB mobile app. works well on different devices (screen size, screen resolution, modification, version, hardware), etc.	
Apps works well on different OS	
FB mobile app. is optimized for 2G,3G, 4G, 5G, LTE, Wi-Fi	
API deliver correct reports	
Productivity Testing	
Device	
Network	
Backend	
Latency and response time. The time between the user sending a request and the application responding is the latency or response time (seconds).	
The load speed is the time in seconds that the application takes to fully initialize and load the client user interface	
Throughput describes the number of transactions or requests that an application can comfortably process without queuing up requests	
Crash rate per program download. Programs are expected to crash under certain conditions.	
Power consumption testing (manual or XCode)	
Memory leak testing (Instruments app in Xcode and the Analyze functionality)	
Other resources consumption	
Security Testing	
Vulnerabilities to:	
- hacking	
- authentication	
- authorization	
- data security	
- session management	
The app encrypts usernames and passwords when authenticating a user to a network.	
Route the phone data through a proxy server like OWASP Zed Attack Proxy.	
The app is not running with the same user credentials on two different mobiles devices	
The session is automatically terminated if it remains inactive for more than 15 minutes	
Recovery Testing	
FB mobile app. is able to withstand and successfully recover from failures caused by software errors, hardware failures or internet connection,	

Localization Testing	
FB mobile app. is adapted to target audience in accordance with cultural characteristics:	
- date formats	
- Interface and documents translation	
- languages supported by the program	
Certification testing	
Installation file (.apk) is properly to get Certification for Google Play, App Store.	