TEST SUMMARY REPORT

Introduction: This document summarizes for the testing of the speed of the web connection.

Test items: The speed of the web connection.

Test Environment:

- One user using the laptop with wi-fi connection.

- Using https://www.speedtest.net/ to the speed testing activities.

- ISP by Spectrum.

- Sever Location: Sprint - Austin, Tx.

- Testing time: 11:00-11:30 PM.

References: Test plan.

Test Summary

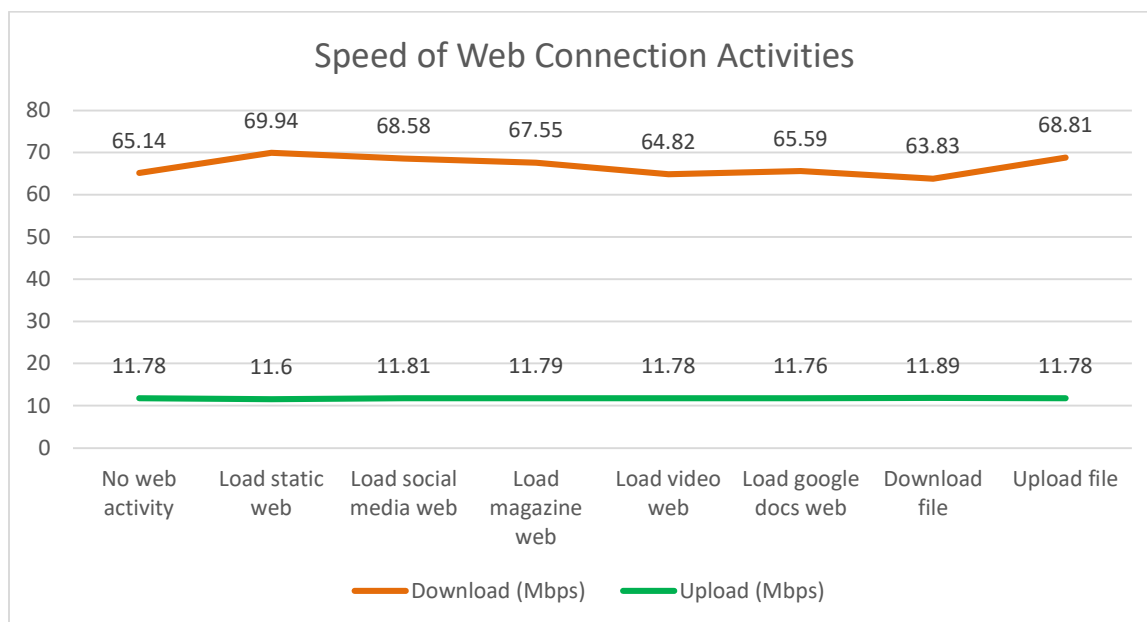| No.	Test scenarios	Reaction Time (ms)	Download Speed (Mbps)	Upload Speed (Mbps)
1.	No website activity	22	65.14	11.78
2.	Loading a static website in a new open tab https://docs.python.org/	26	69.94	11.60
3.	Loading the social media website in a new open tab https://www.instagram.com/accdistrict/	21	68.58	11.81
4.	Loading the magazine website in a new open tab https://www.foxnews.com/	22	67.55	11.79
5.	Loading a full video clip on website youtube.com in a new open tab https://www.youtube.com/watch?v=e-PZxds5yWs	23	64.82	11.78
6.	Loading https://docs.google.com/ in a new open tab and editing a new online document file.	22	65.59	11.76
7.	Downloading a document file from google drive in a new open tab.	31	63.83	11.89
8.	Uploading a document file to google drive in a new open tab.	29	68.81	11.78

Conclusion:

As the following chart:

- There is an unremarkable change in the uploading speed.

- In the downloading speed, there is a slight decrease after the web activities such as viewing video, loading magazine sites. However, this fluctuation is normal and may be changed by the different test server locations or testing times.

In general, this web connection speed is stable at the testing time.

Average Download: 66.78   **Average Upload: 11.77**

Speed of Web Connection Activities

Activity	Download (Mbps)	Upload (Mbps)
No web activity	65.14	11.78
Load static web	69.94	11.6
Load social media web	68.58	11.81
Load magazine web	67.55	11.79
Load video web	64.82	11.78
Load google docs web	65.59	11.76
Download file	63.83	11.89
Upload file	68.81	11.78

TEST PLAN

For Testing The Speed of The Web Connection.

1. Introduction:

This test plan is designed for testing the speed of the web connection.

2. **Proposed schedule:**

No.	Tasks	Assigned members	Estimated Time	Remarks
1.	Analyze required document	Test designer	2 hours	
2.	Design test plan	Test designer	1 hours	
3.	Execute test	Tester	1 hours	
4.	Report test summary	Tester	1 hour	

3. Resource requirements:

a. Hardware:

- A desktop computer or laptop, router, modem, cables are in a good condition.

- A stable wireless internet connection.

b. Testing tools:

https://www.speedtest.net/

c. Staffing:

- Testing team members

d. Training:

- Test plan document and required specifications.

4. Feature to be tested:

- Check speed when no website activity.

- Check speed when opening a new tab then loading a static website https://docs.python.org/

- Check speed when opening another tab and loading the dynamic website like https://www.instagram.com/accdistrict/

- Check speed when opening another tab and loading the other website
https://www.foxnews.com/

- Check speed with another new open tab and loading a full video clip on website youtube.com.

- Check speed when editing an online document in google docs in a new open tab.

- Check speed when downloading a file from google drive.

- Check speed when uploading a file to google drive.

5. Feature not to be tested:

These following features are not tested because of the technical issues.

- Check web connection speed when more than one user is using to the same connection.

- Check speed when the computer is connected directly to the router, without using wi-fi.

- Check speed in different server locations.

- Check speed in different times.

6. Test Deliverable:

- Test plan

- Test summary

7. Dependencies:

a. Hardware:

b. Software:

- Using Chrome web browser.

c. Staffing

Testers with experience in working on windows and setting up required testing environment.

d. Training:

Testing environment, testing tools.

8. Entrance / Exit criteria:

a. Entrance criteria:

- Test plans.

- Test environment setting up.

b. Exit criteria:

- 100% required test scenarios executed.

- Performance of the web connection speed is assessed as the requirements of testing.