

Experimental Study

Bangla Book Reader For The Blind

Group – B_4

Date - January 14, 2021

Group members:

1. Shariar Azad (201714037)
2. Muhammad Zubair Hasan (201714041)
3. Shahir Abdullah (201714054)
4. Nazifa Hamid(201714044)
5. Takik Hasan (201714038)

Android Application

Task 1: Open camera

Task 2: Take the page picture

Task 3: Upload page picture

Task 4: Download and play audio

Participant Name: Muhammad Zubair Hasan (Student)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	2s	Success	Required:1 Expected:1	1	0
Task 2	2s	Success	Required:1 Expected:1	2	0
Task 3	3 mins	Success	Required:1 Expected:1	2	1
Task 4	35s	Success	Required:1 Expected:1	2	1

Participant Name: Shahir Abdullah (Student)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	1s	Success	Required:1 Expected:1	2	0
Task 2	2s	Success	Required:2 Expected:1	1	0
Task 3	3.5mins	Success	Required:1 Expected:1	1	1
Task 4	30s	Success	Required:1 Expected:1	2	1

Participant Name: Shariar Azad (Student)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	2s	Success	Required:1 Expected:1	1	0
Task 2	2s	Success	Required:2 Expected:1	1	1
Task 3	3.5mins	Success	Required:1 Expected:1	1	0
Task 4	30s	Success	Required:1 Expected:1	2	1

Participant Name: Nazifa Hamid Rafa (Student)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	2s	Success	Required:1 Expected:1	2	1
Task 2	2.5s	Success	Required:2 Expected:1	2	0
Task 3	3mins	Success	Required:1 Expected:1	1	1
Task 4	33s	Success	Required:1 Expected:1	2	1

Pre Questionnaires

Question	Answer	Participant Name
Have you used any kind of audio book reader system before and if yes rate the system ?	No	Muhammad Zubair Hasan (Student)
Do you think book reader systems are important for blind students?	Yes	
What should be the price range for such book reader systems ?	Less than 2000 tk	
Do you prefer the system to be portable ?	Yes	
What type of blindness do you have ?		

Question	Answer	Participant Name
Have you used any kind of audio book reader system before and if yes rate the system ?	No	Shahir Abdullah (Student)
Do you think book reader systems are important for blind students?	Yes	
What should be the price range for such book reader systems ?	Less than 1000 tk	
Do you prefer the system to be portable ?	Yes	
What type of blindness do you have ?		

Question	Answer	Participant Name
Have you used any kind of audio book reader system before and if yes rate the system ?	No	Shariar Azad (Student)
Do you think book reader systems are important for blind students?	Yes	
What should be the price range for such book reader systems ?	Less than 1500 tk	
Do you prefer the system to be portable ?	Yes	
What type of blindness do you have ?		

Question	Answer	Participant Name
Have you used any kind of audio book reader system before and if yes rate the system ?	No	Nazifa Hamid Rafa (Student)
Do you think book reader systems are important for blind students?	Yes	
What should be the price range for such book reader systems ?	Less than 2500 tk	
Do you prefer the system to be portable ?	Yes	
What type of blindness do you have ?		

Data Collection on android app

Question	Answer	Participant Name
Are the buttons easy to press?	Yes	Muhammad Zubair Hasan (Student)
Does the UI seem intuitive?	Yes	
Was it hard to capture pictures using the camera app?	No	
Was the feedback for button press easy to understand	Yes	
Was the audio clear ?	No	

Question	Answer	Participant Name
Are the buttons easy to press?	Yes	Shahir Abdullah (Student)
Does the UI seem intuitive?	Yes	
Was it hard to capture pictures using the camera app?	Yes	
Was the feedback for button press easy to understand	Yes	
Was the audio clear ?	No	

Question	Answer	Participant Name
Are the buttons easy to press?	Yes	Shariar Azad (Student)
Does the UI seem intuitive?	Yes	
Was it hard to capture pictures using the camera app?	No	
Was the feedback for button press easy to understand	Yes	
Was the audio clear ?	No	

Question	Answer	Participant Name
Are the buttons easy to press?	Yes	Nazifa Hamid Rafa (Student)
Does the UI seem intuitive?	Yes	
Was it hard to capture pictures using the camera app?	No	
Was the feedback for button press easy to understand	Yes	
Was the audio clear ?	No	

Post Questionnaires

Question	Answer	Participant Name
Do you like the portability of the system?	No	Muhammad Zubair Hasan (Student)
Are you comfortable with being connected to internet to generate audio?	Yes	
Are you comfortable with the response time of the system?	Yes	
Do you feel like important features are missing from the system compared to comparable system?	No	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Do you like the portability of the system?	No	Shahir Abdullah (Student)
Are you comfortable with being connected to internet to generate audio?	Yes	
Are you comfortable with the response time of the system?	Yes	
Do you feel like important features are missing from the system compared to comparable system?	No	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Do you like the portability of the system?	No	Shariar Azad (Student)
Are you comfortable with being connected to internet to generate audio?	Yes	
Are you comfortable with the response time of the system?	Yes	
Do you feel like important features are missing from the system compared to comparable system?	No	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Do you like the portability of the system?	No	Nazifa Hamid Raza (Student)
Are you comfortable with being connected to internet to generate audio?	Yes	
Are you comfortable with the response time of the system?	Yes	
Do you feel like important features are missing from the system compared to comparable system?	No	
Do you recommend others to use it?	Yes	