

UNIVERSITY OF WOLLONGONG

Bachelor of Information Technology

CSCI321 Final Year Project User Manual

English to Sign Language Translator and Sign Language Learning Tool - BabySlang

Assessor:
Supervisor:
Group Number:

Mr. Premarajan
Mr. John Lim
IT10/2H

Group Members:

3804379	Tay Jun Xiang (Leader)
3720640	Ng Chong Seng
3715504	Wu Jinqing
3761149	Yap Min Hao

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1. Home Page



Figure 1

1. Three main options are presented to you, Translate to SEE, Learn SEE, and Fun Quiz; you can select anyone of them. Only members of the babyslang.net can choose to login to manage their videos. As for option Register, please refer to Section 3.1 Register an account.

2. Non-membership required features

2.1 Translate To SEE

Figure 2

1. Enter the English word or phrase that you want to translate in the textbox. Next click on Translate button.
2. If you need to clear the textbox, click on the Clear button.

Figure 3

3. Next you will be directed to another page and watch Media player playing a sign language video that translates the English word or phrase that you have just entered.

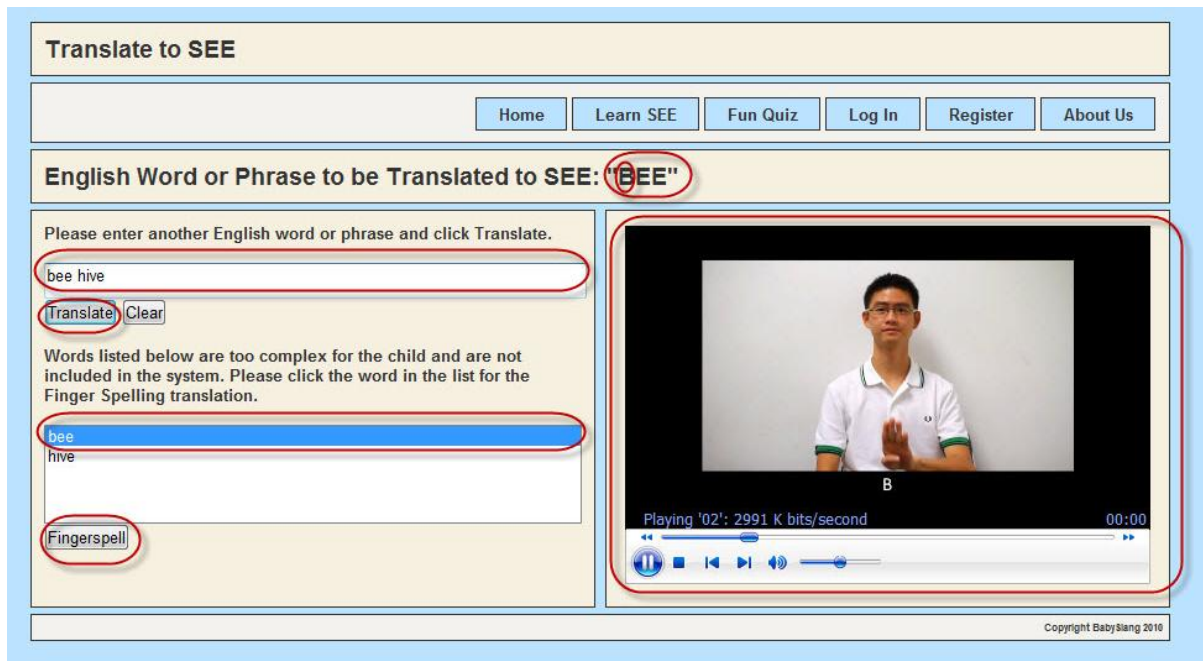


Figure 4

4. If you have translated a word or phrase that is too complex for the child or it is not included in the system. The word or words in the phrase will appear in the list box.
5. Select the word in the list box that you want to fingerspell and click Fingerspell button. You will see the Media player playing a sign language video that fingerspells each letter in the word.

2.2 Learn SEE



Figure 5

1. Select a category from the drop down list.



Figure 6

2. The grid view will show the words that belong to the selected category.
3. Click on any of the image button of the word to view the sign language translation of the word. E.g. grandfather



Figure 7

4. You will see the Media player playing the sign language translation of the word grandfather.
5. To view another translation of the word of the same theme, you can click on the image button in the grid view on your right. Alternatively, you can select the word from the second down list. (See Figure 8)

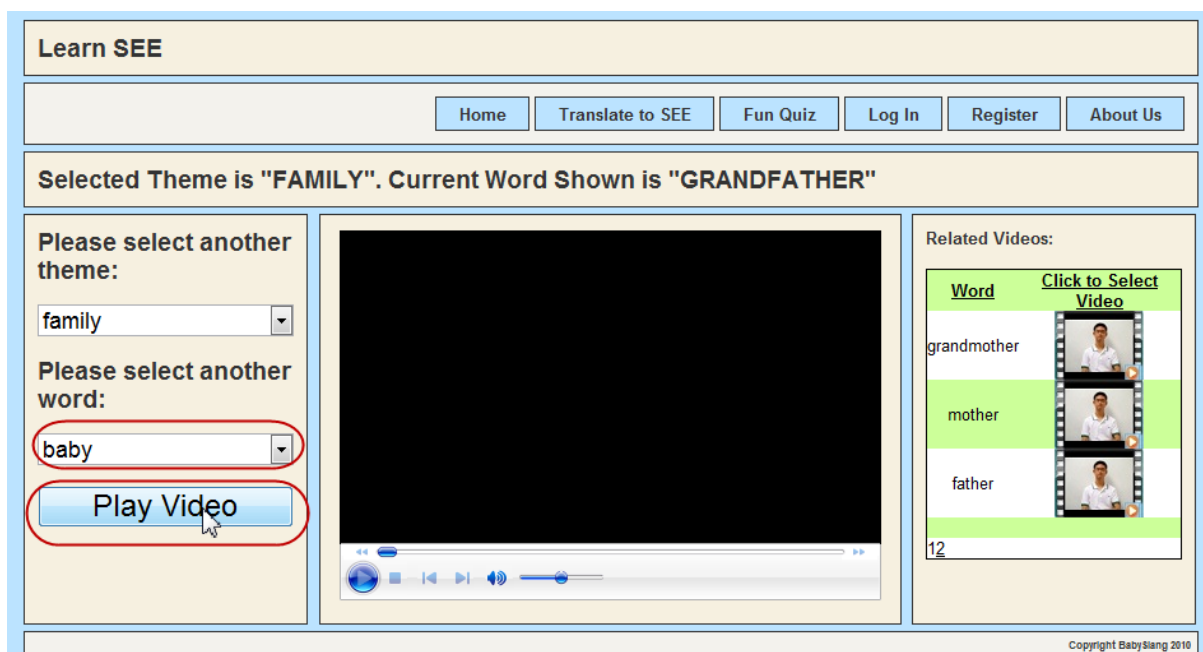


Figure 8

6. To view another translation of the word of the same theme, you can select a word from the second drop down list.
7. Next click on the Play Video button to view the translation of the word.



Figure 9

8. To view another translation of the word of a different theme, first select the theme from the first down list.



Figure 10

9. Next select the word from the second drop down list.
10. Lastly click on the Play Video button to view the translation of the word.

2.3 Fun Quiz

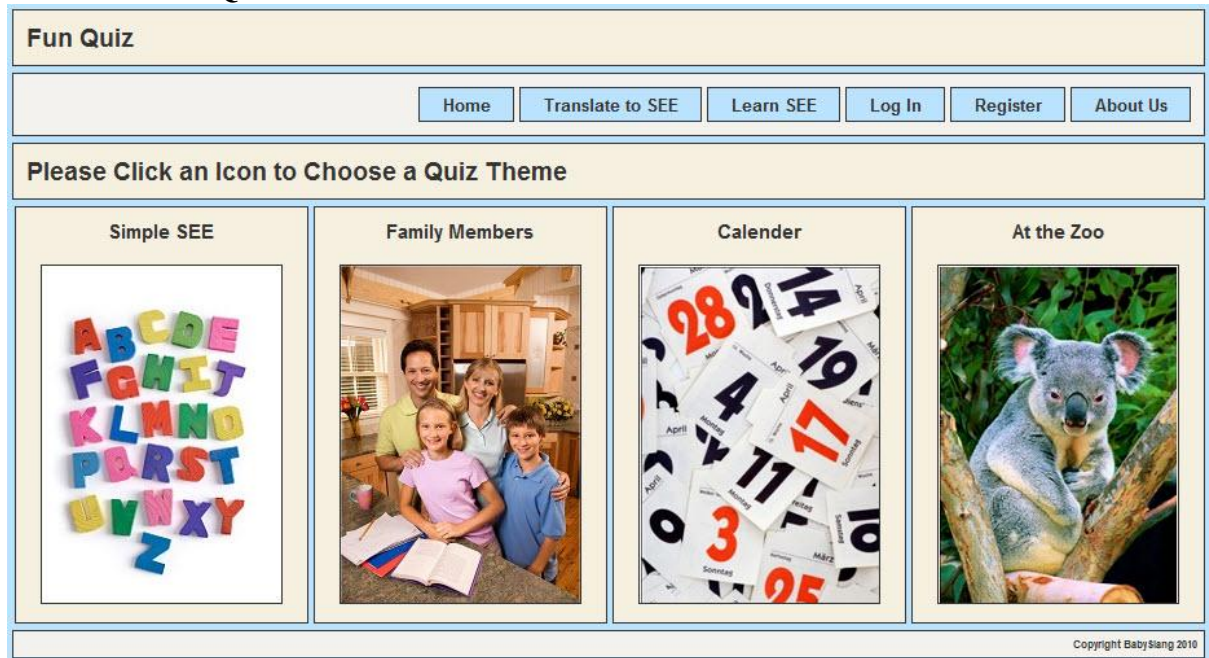


Figure 11

1. Click on any of the image button of the theme to start the quiz.

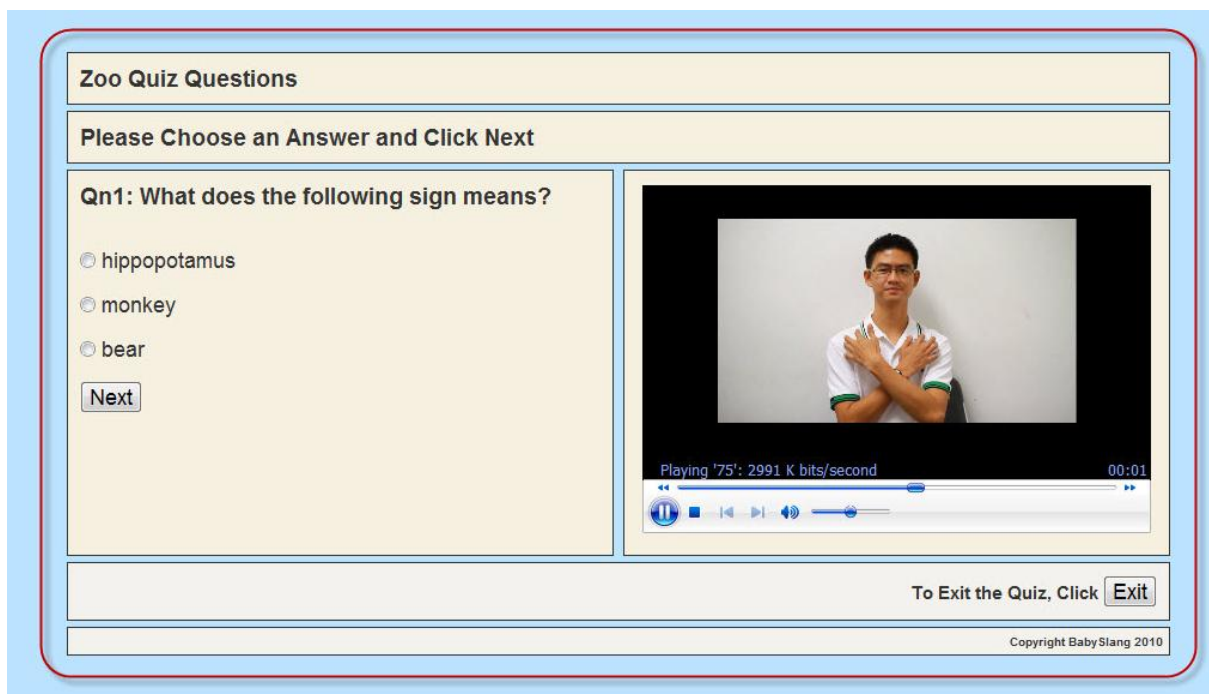


Figure 12

2. The first question will be shown and the Media player will play a sign language video for that question.

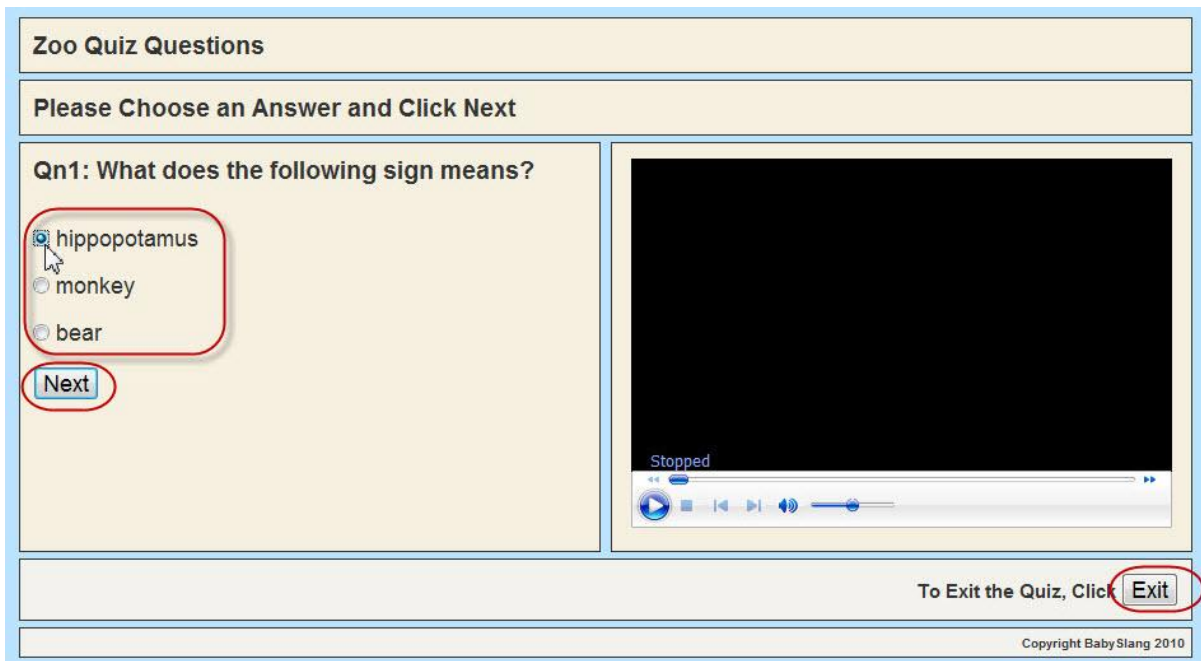


Figure 13

3. Select an answer from the list of radio buttons.
4. Next click on the Next button to proceed to the next question.
5. At any point of time in the quiz, you can click on the Exit button. You will exit the quiz and be directed to the Home page of babyslang.net. (See Figure 1)

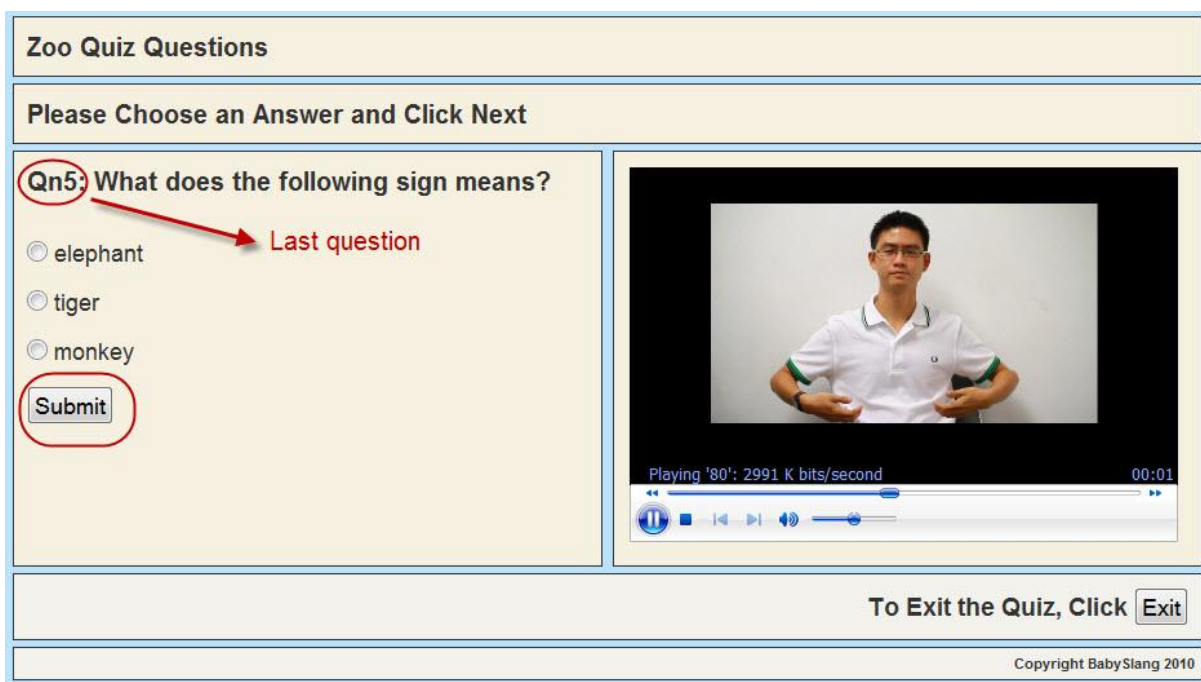


Figure 14

6. Once you have reached the last question i.e. Qn 5, click on the Submit button to complete the quiz and submit it for the score.

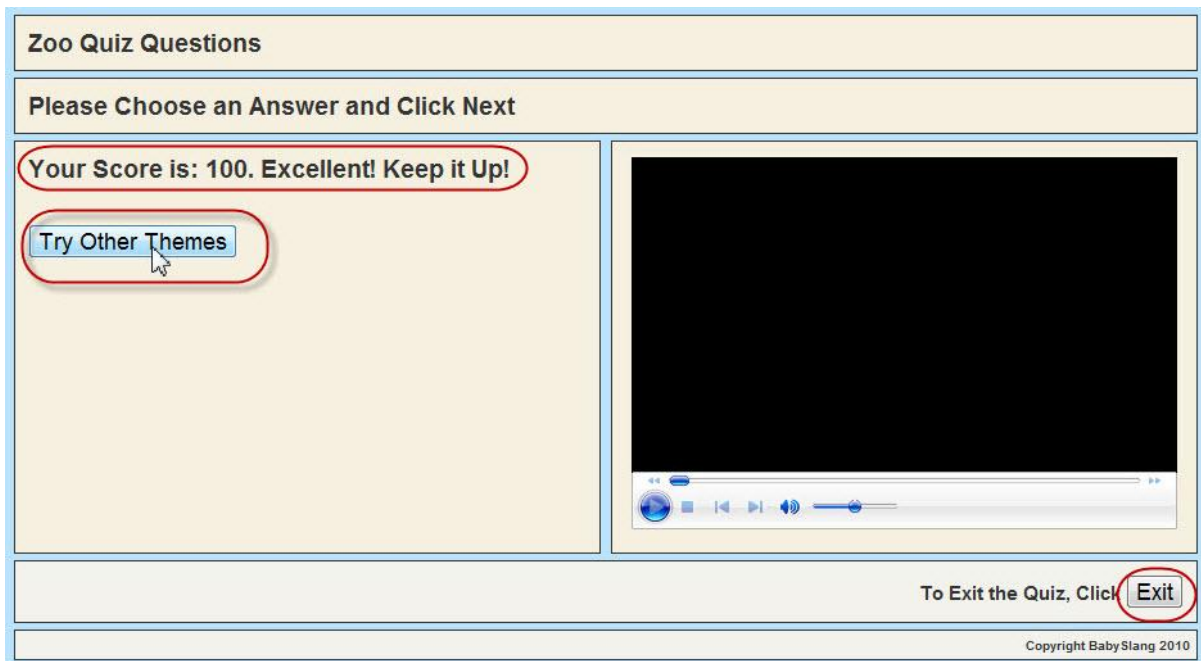


Figure 15

7. The score will be presented to you.
8. You are encouraged to take another quiz of a different theme, if your score is 60 marks and above.
9. Click on the Try Other Themes button to be directed to the main page of the quiz. (See *Figure 11*)
10. Alternatively, you can choose to exit the quiz and be directed to the Home page of babyslang.net. (See *Figure 1*)

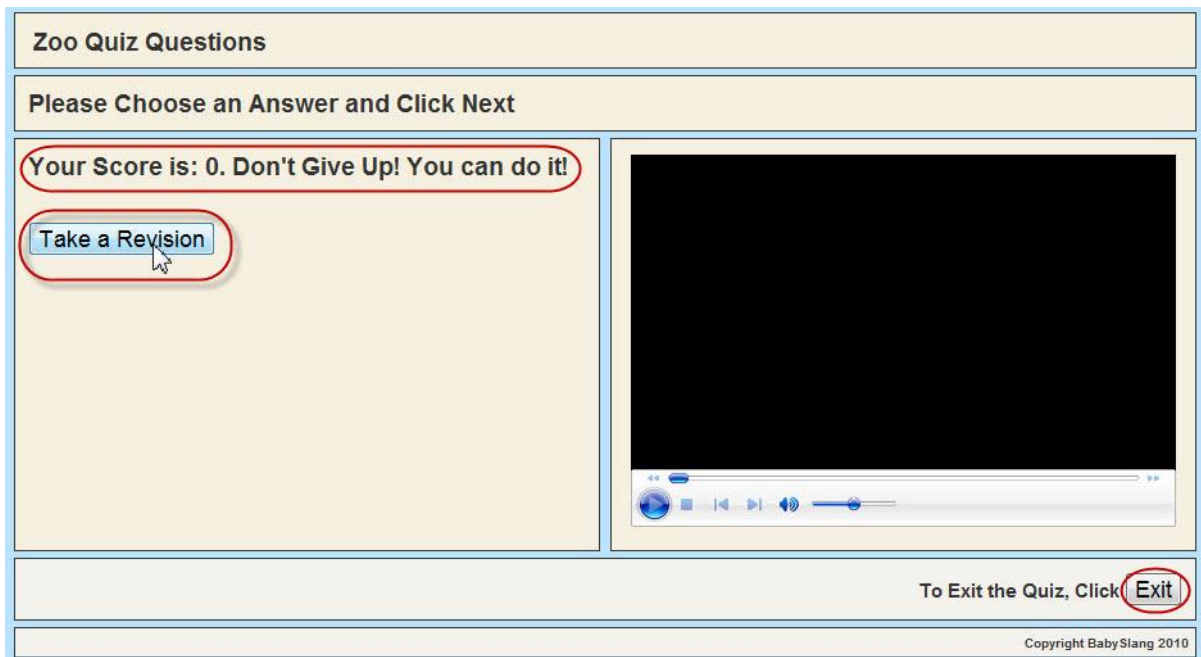


Figure 16

11. You are encouraged to take a revision, if your score is 40 marks and below.
12. Click on Take a Revision button to be directed to Learn SEE page to revise on the words of the related theme.
13. Alternatively, you can choose to exit the quiz and be directed to the Home page of babyslang.net. (See Figure 1)

3. Be a member of babyslang.net

3.1 Register an account

Figure 17

1. Enter the username, email, password and re-type password. Ensure password and re-type password entered are the same.
2. Next click on the Register button to register an account.

Figure 18

3. Once you have registered an account successfully, you will be directed to the login page.
4. Log in to start managing your videos.

4. Manage user videos

4.1 Log In

Log In

Home Translate to SEE Learn SEE Fun Quiz About Us

Please Enter Your Email and Password and Click Log In

Email : jwu0686@gmail.com

Password : ●●●●

Log In [Forgot Your Password?](#)

New to BabySlang? [Create Account](#)

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Figure 19

1. Enter the email and password that you have registered with babyslang.net.
2. Next click the Log In button.

4.2 Upload Video

Upload Your Sign Language Videos

Change Password


Log Out

Welcome, Jason. Have fun!

Enter Video Title:

Select Video File:

(Max File Size is 4MB)



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Figure 20

1. Upon successfully logged in, you can start managing your videos.
2. To upload a video, enter a video title and select a valid video file. A video file is only considered as valid if it is of the following types: .asf, .wmv, .wm, .avi, .mpe, .mpeg, .mpg, .mlv files
3. Lastly click on the Upload button to upload the video.

Upload Your Sign Language Videos

Change Password

Log Out

Welcome, Jason. Have fun!

Video Uploaded Successfully.

Enter Video Title:

Select Video File:

Browse...

(Max File Size is 4MB)

Upload

Video Title	File Name	Action	Action	Action
My first video	Butterfly.wmv	Update	Delete	View



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Figure 21

4. The system then uploads the video and informs you that upload is successful.
5. The video that has been uploaded will be reflected in the grid view, in which you can choose to update, delete or view video.

Note: The maximum number of videos you can upload is 5. Once you have uploaded 5 videos, the upload function is disabled

4.3 Update Video

Update Video

Please Enter a New Video Title or Select a New Video File and Click Update


Current Video Title: My first video

Current Video File: Butterfly.wmv

New Video Title:

New Video File:

(Max File Size is 4MB)



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Figure 22

1. You can update both video title and video file. However you can choose to update only the video title or video file.
2. To cancel the update, click on the Cancel button.
3. To update video title:
 - Enter the new video title
 - Next click on the Update button
4. To update video file:
 - Click on the Browse button and select a new valid video file
 - Next click on the Update button
5. To update both video title and video file: *(as shown in Figure 22)*
 - Enter the new video title
 - Next click on the Browse button and select a new valid video file
 - Lastly click on the Update button

Upload Your Sign Language Videos

Change Password

Log Out

Welcome, Jason. Have fun!

Video Details Updated Successfully.

Enter Video Title:

Select Video File:

Browse...

(Max File Size is 4MB)

Upload

Video Title	File Name	Action	Action	Action
My initial video	Lake.wmv	Update	Delete	View



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Figure 23

- The system then updates the video details and informs you that update is successful.

4.4 Delete Video

Upload Your Sign Language Videos

Change Password

Log Out

Welcome, Jason. Have fun!

Enter Video Title:

Select Video File:

Browse...

(Max File Size is 4MB)

Upload

Video Title	File Name	Action	Action	Action
My first video	Butterfly.wmv	Update	Delete	View



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Figure 24

- Click on the delete button of the uploaded video you want to delete.

Upload Your Sign Language Videos

Change Password

Log Out

Welcome, Jason. Have fun!

Video Deleted Successfully.

Enter Video Title:

Select Video File:

Browse...

(Max File Size is 4MB)

Upload



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Figure 25

- The system then deletes the video and informs you that delete is successful.

4.5 View Video

Upload Your Sign Language Videos

Change Password

Log Out

Welcome, Jason. Have fun!

Enter Video Title:

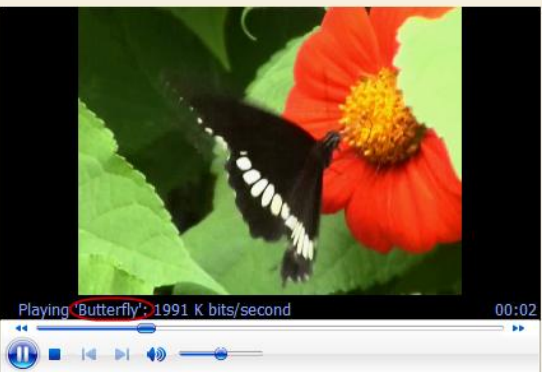
Select Video File:

Browse...

(Max File Size is 4MB)

Upload

Video Title	File Name	Action	Action	Action
My first video	Butterfly.wmv	Update	Delete	View



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Figure 26

- Click on the View button of the uploaded video you want view.
- The system then plays the video.

4.6 Log Out

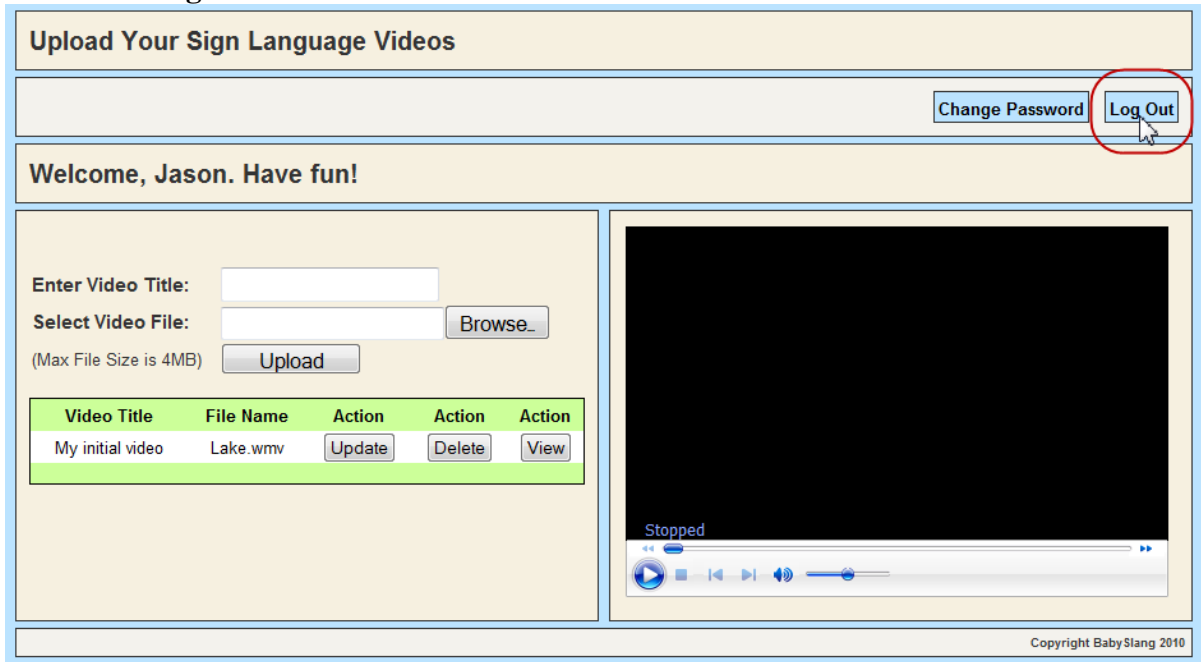


Figure 27

1. Once you have done with managing your videos, you are required to log out from the system.
2. Click on the Log Out button to logout.
3. You will be directed back to Home page. (See Figure 1)

5. Manage Password

5.1 Change Password

Change Password

Please Fill in all the Required Fields Below and Click Confirm


Please note that members will be re-directed to Log In page upon successful password change.

Email :

Current Password :

New Password:

Re-type Password:



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Figure 28

1. To change password, enter your current password.
2. Next enter the new password and re-type password. Ensure both new password and re-type password entered are the same.
3. Lastly click on the Confirm button to change the current password with a new password.
4. To cancel change password, click Cancel button.

Figure 29

5. You will be directed to the Log In page upon successful password change.

5.2 Reset Password

Figure 30

1. If you have forgotten your password, click on Forgot Your Password link button in the Log In page.

Log In

Home Translate to SEE Learn SEE Fun Quiz About Us

Please Enter Your Email and Password and Click Log In

Please enter your Email and click Send to receive your new password via Email.

Email :

New to BabySlang?

Email address exists in DB

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Figure 31

2. Enter the email account that you have registered with babyslang.net and click on the send button.
3. To cancel reset password, click on the Cancel button.

Log In

Home Translate to SEE Learn SEE Fun Quiz About Us

Please Enter Your Email and Password and Click Log In

The default password will be sent to your Email in 15 minutes time. While waiting, you are most welcome to explore the website features.

Email :

New to BabySlang?

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Figure 32

4. The system then sends the default password to your email.
5. Check your email to get the default password.

Log In

Home Translate to SEE Learn SEE Fun Quiz About Us

Please Enter Your Email and Password and Click Log In

Email :

Password :

[Log In](#) [Forgot Your Password?](#)

Default password

New to BabySlang? [Create Account](#)

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Figure 33

6. Users who reset their password will be required to change their password upon the next login.
7. Log in the system with your default password.
8. You will be directed to Change Password page.
9. Follow the steps in 5.1 Change Password

Note: It is compulsory for you to change your password before you can be logged in successfully to start managing your videos again.