ECommuBook REST APIs

<domain> : server domain (includes ports) , e.g. sepc155.se.cuhk.edu.hk:8080

<application\_name> : application name, e.g. ECommuBook2-2.0.1-SNAPSHOT

# User Profile:

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## Post user profile: (Upload user profile / backup user profile to server)

[POST] http://<domain>/<application\_name>/userProfile/post

To post userprofile json object to server. (Example is attached)

Remark: All ID must be in UUID format, otherwise you will receive error reply message:

Example:

{

code: "Invalid\_Id"

subject: "User Profile Id is invalid!"

message: “aaabbb is not valid UUID!"

}

\*\* In this case, user profile DOES NOT SAVE on server \*\*

If all UUID are valid, server will check if the image is exist on server (Use UUID as key), if not, you will receive this reply message:

{

code: "Image\_Required"

subject: "Images are required for the following ids"

message: "["c6a1f87d-3e6e-403d-aa59-b1e8df82c1ae","c6a1f87d-3e6e-403d-aa59-b1e8df82c2ae","c6a1f87d-3e6e-403d-aa59-b1e8df82c3ae","c6a1f87d-3e6e-403d-aa59-b1e8df82c4ae","c6a1f87d-3e6e-404d-aa59-b1e8df82c9ae","c6a2f87d-3e6e-403d-aa59-b1e8df82c9ae","c6a1f87d-5e6e-403d-aa59-b1e8df82c9ae","c6a1f87d-3e6e-403d-aa59-b1e8df82c9af","c6a1f87d-3e6e-403d-aa69-b1e8df82c9ae"]"

}

In this case , user profile is saved on server. \*\*\*But you have to upload the image to server.\*\*\* (Use image post api, talk later)

If all image are exist on server you will receive this reply message:

{

code: “Success"

subject: “User Profile Added/Updated!"

message: “"

}

In this case, upload user profile is completed.

## Get user profile

[GET] http://<domain>/<application\_name>/userProfile/{userId}

E.g. http://<domain>/<application\_name>/userProfile/c6a1f87d-3e6e-403d-aa59-b1e8df82c9ae

<http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.4-SNAPSHOT/userProfile>/00000000-0000-0000-0001-000000000000

# Images:

## Post Image

[POST] [multipart/form-data] http://<domain>/<application\_name>/image/post

To upload the image to server

You have to construct multipart message and post it to server

required param:

uuid : the uuid of the item

file: [the image file]

if success, you will receive the following reply message:

{"code":"Success","subject":"Image uploaded","message":"c6a1f87d-3e6e-403d-aa69-b1e8df82c9ae image saved!”}

## Get Image

[GET] http://<domain>/<application\_name>/image/{uuid}.jpg

example

http://<domain>/<application\_name>/image/c6a1f87d-3e6e-403d-aa59-b1e8df82c9af.jpg

To get the image from server according to uuid

# Logs:

## Post Log:

[POST] http://<domain>/<application\_name>/log/post

To post the log to server

the log should be in this format:

{

userId: "69534c53-2174-44b7-b42a-4077d7aa6557"

type: "User action"

subject: "Click Item"

message: "f27b201b-f7f7-46a8-a93a-966170081b4e"

logTime: 20150216161521

}

Example of the log can be generated from this link:

http://<domain>/<application\_name>/log/sample

if success you will receive this reply message:

{

code: "Success"

subject: "Log added"

message: ""

}

## Get Log:

[GET] http://<domain>/<application\_name>/log

to get all the log from server

# Share Category:

## 1)Share Category Function:

http://<domain>/<application\_name>/category/share/{categoryId}

e.g. http://<domain>/<application\_name>/category/share/00000000-0000-0000-0002-000000000001

if success , you will got {"code":"Success","subject":"Success","message":""}

## 2) View Shared Category List:

http://<domain>/<application\_name>/category/share

return example: {"categories":[{"uuid":"91d25d6c-cc68-4e35-9174-d1942721acfe","name":"動作"}]}

*e.g http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.4-SNAPSHOT/category/share*

## 3) Add Category to User Profile

http:// <domain>/<application\_name>/userProfile/{userId}/addCategory/{categoryId}

It will add the (categoryId) to the user profile (userId), user can sync the user profile to download the new category.

if success , you will got success message.

http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.4-SNAPSHOT/userProfile/00000000-0000-0000-0001-000000000000/addCategory/b9dca7d2-f874-4be2-95ef-6015ad260fe2

**4) View Category detail**

http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.4-SNAPSHOT/category/00000000-0000-0000-0002-000000000001/clone

# Audio:

## Get synthesis audio

Get the synthesis speech of <text> in <speechLanguageCode> with <speechGender> gender

[GET] http://<domain>/<application\_name>/audio/bing/<speechLanguageCode>/<speechGender>/<text>.mp3

e.g. <http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.4-SNAPSHOT/audio/bing/zh-CN/male/交通.mp3>

## Get search result audio

http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.5-SNAPSHOT/audio/serverStorage/search/00000000-0000-0000-0001-000000000000.wav

## Get server storage audio path

/var/lib/e-commu-book/audio/serverStorage

## Get VCModelProfile url

http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.5-SNAPSHOT/vc/VoiceModelList/00000000-0000-0000-0001-000000000000

# Translation:

## Translate text

Translate <sourceText> from <sourceLanguage> to <targetLanguage>

[GET] http://<domain>/<application\_name>/translations/<sourceLanguage>/<sourceText>/<targetLanguage>

e.g. <http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.5-SNAPSHOT/translations/zh-CHS/>世界/

# Search:

Search Result URL: http://sepc155.se.cuhk.edu.hk:8080/ECommuBook2-2.0.5-SNAPSHOT/search/00000000-0000-0000-0001-000000000000

# Mission

1. Voice conversion (Need Server Side)
2. Handle Log
3. Feedback Page
4. Text or selection
5. Picture
6. Audio
7. About us
8. Voice Recording ()
9. Popup image size
10. Google Auto-Speech-recognizer
11. Learning:
12. 唐诗 （网上有data去找）
13. 咬字练习
14. 面部表情练习
15. Stable Version

Server Cmd:

Reboot server: ***sudo shutdown –r now***

HCCL User/Pass: (hccl/hcclAdmin)

Server Path: [http://SEPC312.sepcnet.se.cuhk.edu.hk:8080/svn/E-Commu-Book/](http://sepc312.sepcnet.se.cuhk.edu.hk:8080/svn/E-Commu-Book/)

Server log: tail –f /opt/tomcat/logs/e-commu-book2.log