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. Defalut User Profile: Delete useless attribute
3. User Login (Add to User Information Page)
4. Handle Log
5. Learning:
6. 唐诗
7. 咬字练习
8. 面部表情练习

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