

Dictionary for OOP Project

DICTIONARY FOR VNU STUDENTS

May 25 2022

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1. ABOUT US

DICTIONARY

HOANG HUU BACH

19020093 - K64-CACLC4

KIEU THAI SON

19021359 - K64 - CACLC

NGUYEN TRUONG GIANG

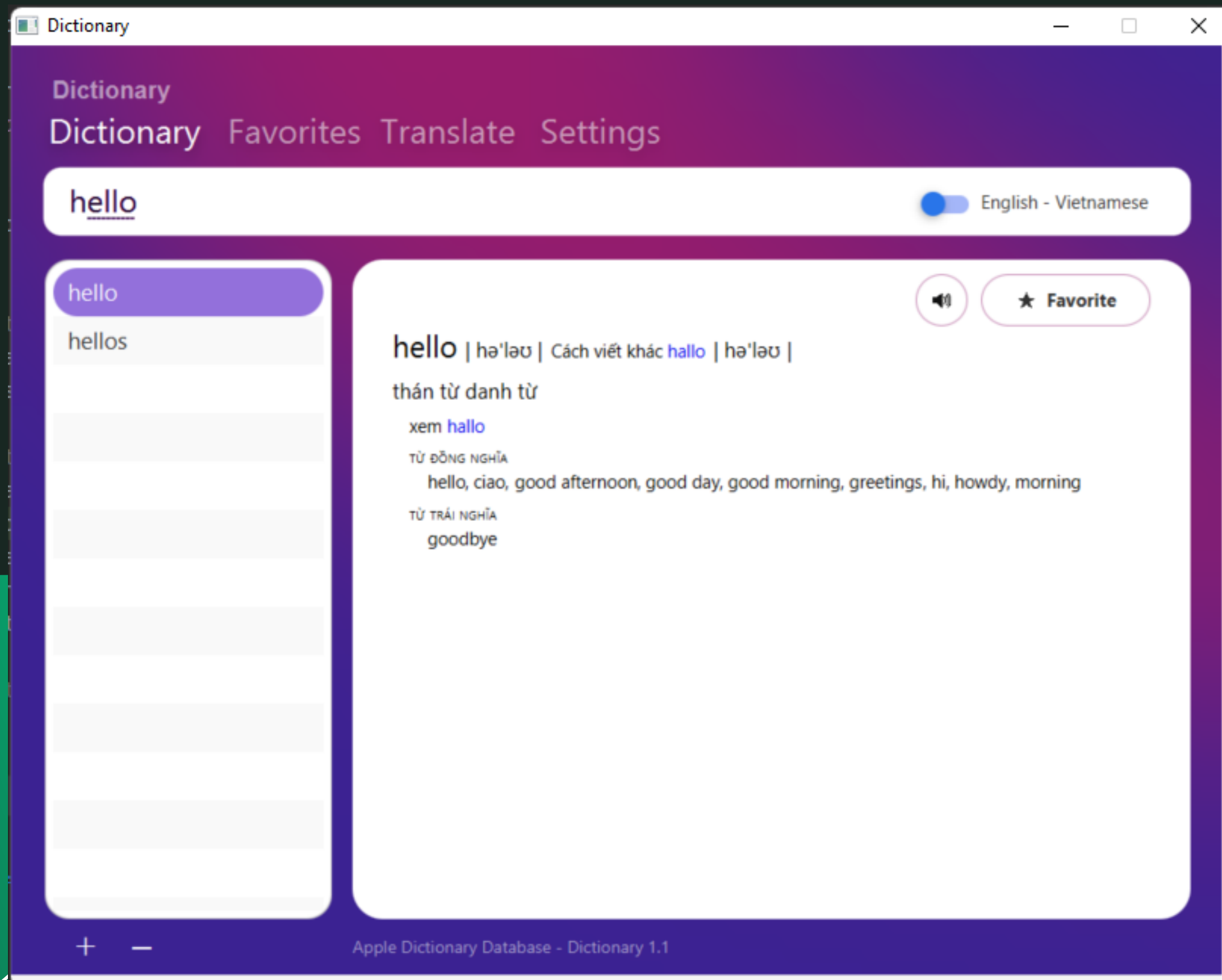
19021259 - K64 - CACLC

2. this dictionary

A. Test Dictionary.

```
===== TỪ ĐIỂN ANH VIỆT =====  
1. Add new word  
2. Print out full dictionary  
3. Add new word from a file  
4. Lookup word  
5. Delete word  
0. Escape commandline  
Choose your option
```

BASIC FUNCTION
COMMANDLINE DICTIONARY



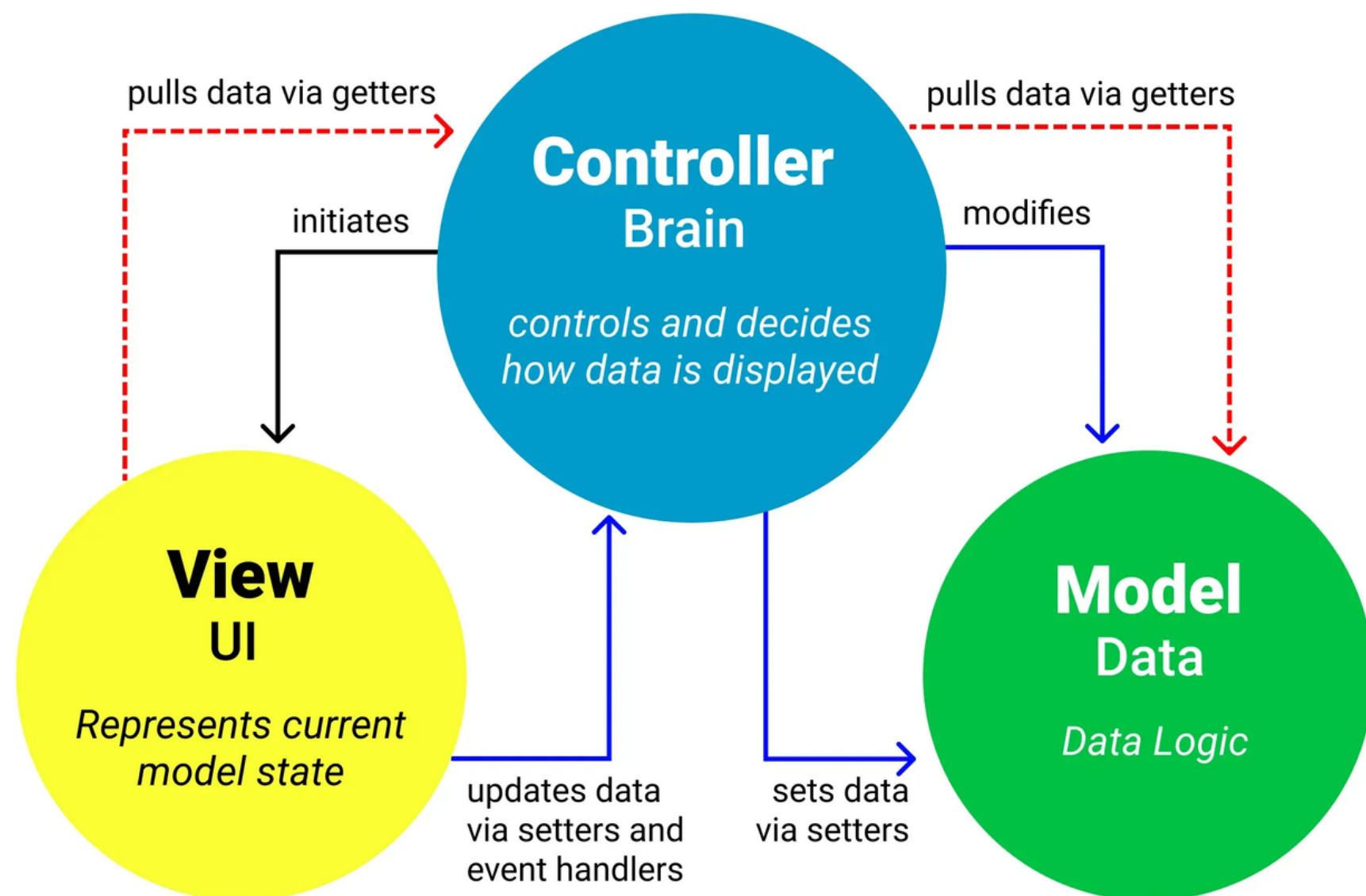
2. this dictionary

B. Final Dictionary.

2. this dictionary

B. Final Dictionary.

MVC Architecture Pattern



architecture

MODEL

Word, Dictionary, DictionarySearcher, DictionaryType, DictionaryUtils, Configuration, DBReader

VIEW

*UserController
FavoriteUserController, SettingUserController
TranslateUserController*

CONTROLLER

*UserController
TheFavorite, TheVoice,
GoogleTransAPI (Incompleted).*

2. THIS DICTIONARY

B. Final Dictionary

OVERALL

Bilingual Dictionary
English - Vietnamese

Database
Apple Dictionary - XML

Auto-detect
If null, online translate

Multi-theme
6 colorful themes

Favorite tab
for Remarkable word

Editable
Add & remove custom word

technologies

in-used



JUnit

JFoenix 



improvements

COOL INTERFACE

6 colorful & editable themes

MULTI-TABS

Each tab has it own functions
=> better user experience

DATASET

Strong dataset with
Apple Dictionary Database v1.0

TEXT-TO-SPEECH

Using FreeTTS 1.2.2
with Kevin16 accent

difficulties

INCOMPLETE TTS

Kevin16 accent is only for English

=> Not correct sound for Vietnamese

INCOMPLETED TRANSLATE API

Being spotted by Google for using smuggled API

Trying to replaced by

@goxr3plus/java-google-speech-api , but still unsuccessful



Thank you

FOR YOUR ATTENTION