PDP Project 2
Business Requirement Document
<u>Fun Translator</u>
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1. **<u>Project Summary</u>** :

Fun Translator lets you convert spoken english to some extremely fun languages.
The application provides you with a wide array of fun languages that you can translate
English into, some of them being Yoda, Pirate, Dothraki, Minion and the list goes on..

2. **<u>Business Requirements</u>** :

- Create a dashboard that allows users to select a language and enter a desired
  phrase in english.
- The web app should hit the fun translation API and get the translated phrase.
- The translated phrase should be displayed in a non-editable box
- A history of all the translations should also be saved
- The web app should display the list of translated phrases along with their
  translations

3. **<u>Users</u>** :

- All age groups can enjoy the application.
- Can be of use particularly to people interested in comic fans or are involved in
  fandoms.

4. **<u>Nouns</u>** :

- Dashboard
- Languages
- Phrase
- History
- Box

5. **<u>Verbs</u>** :

- Enter
- Hit
- Translate
- Save
- Display

6. Classes & Attributes :

    1. Class Name - App
        • Attributes :
            - allTransactions : Array
            - currentTranslation : String
        •   Methods :
            - getAllTranslations()
            - translateAndSave(String, String, String)

    2. Class Name - Input
        • Attributes :
            - languages : Array
            - selectedLanguage : String
            - inputPhrase : String
        •   Methods :
            - translate()

    3. Class Name - Output
        •   Attributes :
            - currentTranslation : String

    4. Class Name - History
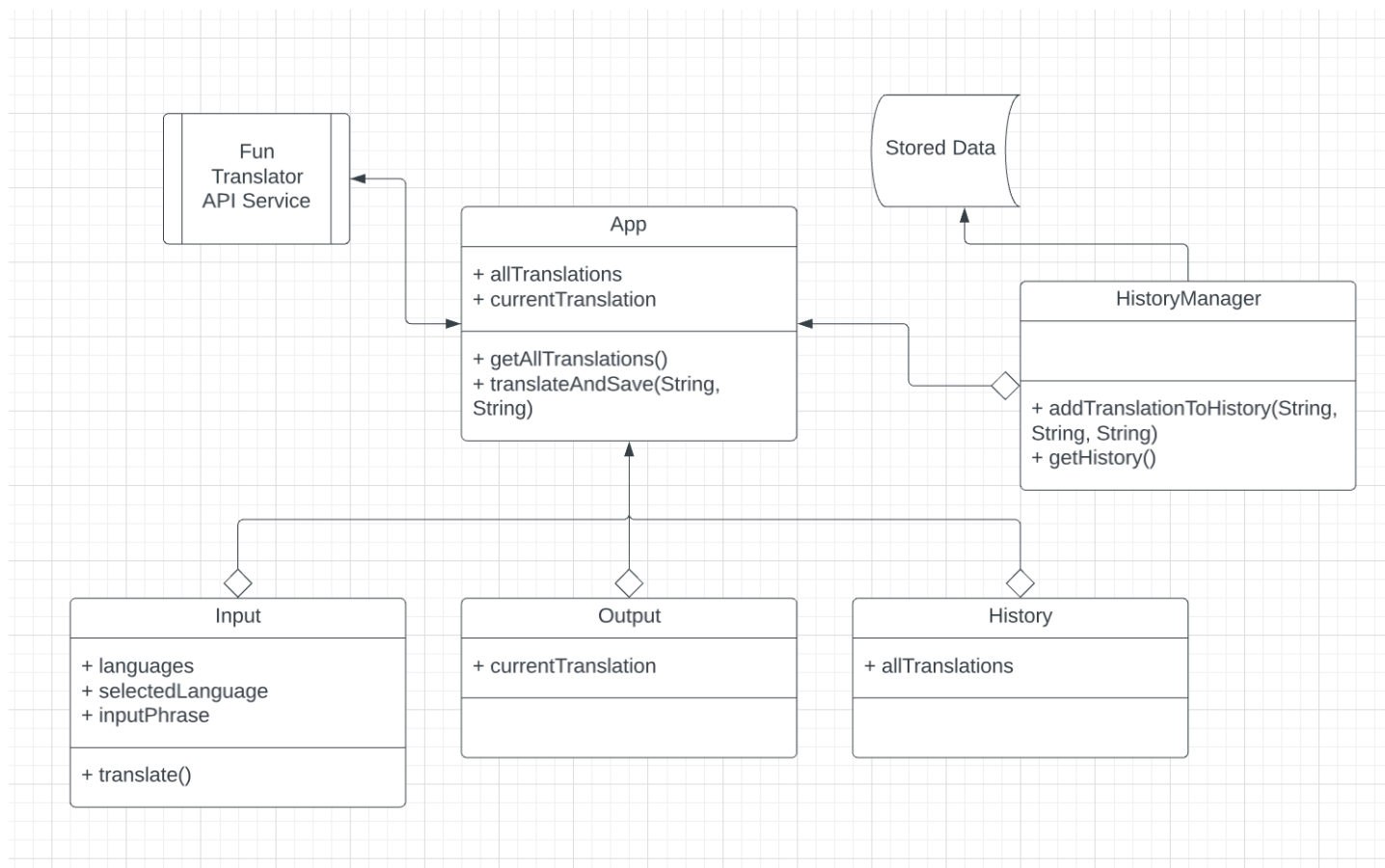   • Attributes :
            - allTransactions : Array

    5. Class Name - HistoryManager
        • Methods :
            - addTranslationToHistory(String, String, String)
            - getHistory()

7. Use Cases :

USECASES	DESCRIPTION	USER
getAllTranslations()	Triggers getHistory function	-
translateAndSave(String, String, String)	Hits the fun translator API and triggers add Translation to history with the resultant data	-
translate()	Triggers translateAndSave() function with input phrase and language	User
addTranslationToHistory(String , String, String)	Sends the input phrase, translation language and translated phrase to minimongo for saving	-
getHistory()	Gets all the saved translations from minimongo.	-

8. UML Diagram :

9. Low Fidelity Sketches :

FUN TRANSLATIONS

| Select Language ⌄ | Enter phrase: | Translate |

Translated Phrase:

HISTORY

Phrase 1	⌄
Phrase 1	⌄
Phrase 1	⌄
Phrase 1	⌄