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[company name]

VERSION 2.0 OVERVIEW

[Document subtitle]

# Prologue

Version 2.0 follow the requirements v1.1 and build app, this version takes Version 1.0 as the base, and refinements are made based on challenges faced in during building v1.0.

Originally this version is named as v1.1 but due to major redesign in backend and UI code the version number is changed to 2.0

# Database design

Database design will be updated in this version. This includes and not limited to:

1. PART\_OF\_SPEECH and CONTEST\_MEANING tables will be replaced with CTX\_OF\_USE table
2. No of characters in any database object name will within 10
   1. Alphabets and underscore are allowed characters, underscore is used only for table name. **For the future version PascalCase may be used without the underscore**
3. WORD\_OBJECT will be renames as WORD
4. PHRASAL\_VERB will be renames as P\_VERB
5. Creating separate table for meaning and examples, meaning and examples will have one to many relationship.
   1. Meanings and examples columns from table CTX\_OF\_USE, IDIOM and P\_VERB will be removed and a new table will be created out of it.
   2. Each meaning will have unique Id and CTX\_OF\_USE, IDIOM, P\_VERB and EXAMPLE table will refer to this id.
   3. **In future when edit/delete functionality is included in the product triggers should be added to keep the meaning table consistent**
6. PART\_OF\_SPEECH\_CODE will be renamed as PS\_CODE
7. Most of the columns will be renamed and the column names won’t have underscore in them
8. Naming conventions for constraints will be changed
   1. CT\_(table\_name)\_\_(column\_name/ref table\_name)
      1. KT – Key type will be one of the following
         1. PK – Primary key
         2. AK – Alternate key
         3. NN – Not null
         4. CK – Check
         5. FK – Foreign key
      2. Table\_name – table on which the constraint is applied
      3. Column name/ref table\_name
         1. For PK this element is not applicable
         2. For FK ref table\_name is used
         3. For others the column name on which the constraint is applied will be used