

Entity Relationship Diagram						
Group	Student Info	Deck	Card	Deck Database	Word	Answer
	studentName	deckValue	untranslatedWord	deckValue	wordQuestion	wordAnswer
	studentID	cardCount	correctWord	cardNumber		
	studentPhone					
	studentFrenchLevel					

Field Name	Data Type	Description	Other
studentName	String	Name of the student.	
studentID	Double	Student ID at EHS	
studentFrenchLevel	Int	How many years of French the student has taken.	
studentPhone	Double	10 number combo.	

#### Student Info

Field Name	Data Type	Description	Other
studentName	String	Name of the student.	
studentID	Double	Student ID at EHS	
studentFrenchLevel	Int	How many years of French the student has taken.	
studentPhone	Double	10 number combo.	

#### Deck

Field Name	Data Type	Description	Other
deckValue	Int	The ID of the deck.	
cardCount	Int	How many cards in the deck.	

Field Name	Data Type	Description	Other
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studentName	String	Name of the student.	
studentID	Double	Student ID at EHS	
studentFrenchLevel	Int	How many years of French the student has taken.	
studentPhone	Double	10 number combo.	

Field Name	Data Type	Description	Other
studentName	String	Name of the student.	
studentID	Double	Student ID at EHS	
studentFrenchLevel	Int	How many years of French the student has taken.	
studentPhone	Double	10 number combo.	

#### Card

Field Name	Data Type	Description	Other
untranslatedWord	String	The word being quizzed upon.	
correctWord	String	Correct answer to the word translated.	

#### Word

Field Name	Data Type	Description	Other
wordQuestion	String	Prompts the question to translate the word.	

#### Answer

Field Name	Data Type	Description	Other
wordAnswer	String	Answer to the word being quizzed.	

### Proposed Forms

Form Name	Outline
frmCard	Saves the form of a card with the correct word and untranslated word.
frmDeck	Saves the entire deck of cards made and uses a deckID to save data.
frmSaveDeck	Saves deck changes to same deck ID.
frmEditDeck	Edit the deck previously made to add more cards or remove cards.
frmPlayDeck	Go through the current deck and translate the words in it.
frmDeleteDeck	Delete a deck of cards.

### Tests Required

Test Type	Nature of Test	Example
Cards load properly	Add data to a card, set and get words on it.	A card is made by a student, and they put in a French word and the correct translation.
Decks can be created	Create a deck, create an ID dedicated for it.	A student creates a deck in the program and adds a variety of cards. It functions properly.
Decks can be modified, removed	An existing deck can have more cards added or removed.	A student is done with an old deck, and so can remove the deck as they please. Or, they have learned new vocabulary in a chapter and add more to an existing chapter.
Decks can be played	Take a deck and run it, see if it will run through cards properly.	A deck can be played and the cards pull up properly, the student can answer questions and keep track of how many they got right, wrong.
Cards can be added/ removed from a deck	Cards can be added, removed from a deck.	A student edits a deck and adds a card, and can remove them as well as they please for whatever their chapter needs.