

## Word by Word Project One Sheet

---

**Project Title:** Word by Word

**Project Team:** Malia Waltman (Project Manager), Michaela May (Editor), Dan Bennett

**Purpose:**

Word by Word is an integrative system for Spanish language learners which teaches Spanish vocabulary. After taking a pre-test to determine prior knowledge of the language, users will learn the vocabulary through written and aural methods indicated on word pages. Through a quizzing function, they will be tested at regular intervals to determine how the information is recalled versus simple recognition of the terms. This vocabulary system is advantageous for language learners over regular language learning programs due to working with the user's pre-existing knowledge rather than forcing every user through a pre-calculated approach. The team will create a functioning demo that will showcase the scalability of a fully developed system.

**Size:**

- One Spanish Level Calibration Test of ten Spanish terms
- Ten individual word pages that will display to the user for them to learn Spanish vocabulary through implemented multimedia written and aural methods.
- One set of questions to be answered by the user to test comprehension and assess the user's progress while using the system. (5 questions per word, total of 50 questions)
- A fully functional, demonstrative, testable version of a study session that will introduce users to 50 randomized questions featuring the ten Spanish words used in the word pages.

**Scope:**

- Each of the word pages will be developed using HTML, CSS, JavaScript, and JQuery.
- The website will feature a fully functional demo of the system's Study Session/Quiz function that will accurately mimic how users would interact with the fully

developed Word by Word system. This will feature fully timed sessions with pre-randomized study questions.

- The system will not be database-driven but will be designed with later database integration in mind.
- The Study Session demo will be developed using HTML, CSS, JavaScript, and JQuery.
- **How will Word by Word differentiate itself from language learning programs such as Duolingo and Mango as well as flashcard programs like Quizlet?**

It will work with recognition of the word in contexts provided by the word pages as opposed to simple recall. It is a Spanish vocabulary learning system with room to develop into more words and other languages using the same model.

- Quiz will offer usage of the **competency-based learning model** for vocabulary acquisition. This model demonstrates knowledge being tested and the reinforcement of positive learning techniques. Questions created for the quizzing function of the system allow for individual learners to display where they are at in retaining vocabulary.

#### Medium:

- Digital
  - HTML
  - CSS
  - JavaScript
  - JQuery
  - ASP.net