



Office No. 12, Anique Arcade,  
I-8 Markaz, Islamabad 44790,  
Pakistan.

# Project Proposal For WordWave App (Dummy name)

Dec 04, 2024.

## Overview

WordWave is an interactive mobile application designed to enhance language learning for students using flashcard-based methods. The app combines visual aids (GIFs), audio prompts, and speech recognition technologies to help students master words through a multi-sensory learning experience. The app caters to both teachers and students, offering distinct features and functionalities. Teachers can create and manage flashcards, quizzes, and track student progress, while students can access personalized learning tools such as phonetic analysis, feedback, and gamification. AI-powered features such as content generation, feedback improvement, and customized quizzes further enhance the learning experience.

## Contents

<b>Overview</b>	<b>1</b>
<b>Goals:</b>	<b>3</b>
<b>Specifications</b>	<b>4</b>
<b>Milestone 1:</b>	<b>6</b>
<b>High-Fidelity Design Prototype Created Using Figma (UI)</b>	<b>6</b>
<b>Milestone 2:</b>	<b>7</b>
High-Fidelity Design Prototype Created Using Figma (UX)	7
<b>Milestone 3:</b>	<b>8</b>
<b>Front-End Development- Transforming Figma Designs into Flutter Code (For Both IOS and Android)</b>	<b>8</b>
<b>Milestone 4:</b>	<b>9</b>
<b>Admin Panel development.</b>	<b>9</b>
<b>Milestone 5:</b>	<b>10</b>
<b>Complete Functionalities Development with API Generation/Integration and Quality Testing</b>	<b>10</b>
<b>Milestone 6:</b>	<b>11</b>
Quality Assurance (QA)	11
<b>Milestone 7:</b>	<b>12</b>
<b>Uploading Apps to Play Store and Apple Store.</b>	<b>12</b>
<b>Bonus:</b>	<b>13</b>
<b>Payment Terms and Milestone Deliverables</b>	<b>13</b>

## Goals:

- **Engage Students in Interactive Learning:** Leverage multimedia content (GIFs, audio, and speech) to make word learning engaging and fun.
- **Support Teachers in Content Creation & Student Tracking:** Provide teachers with tools to create, manage, and assess student progress through personalized flashcards, quizzes, and progress reports.
- **Utilize AI to Improve Learning Outcomes:** Pre-loaded Set: 1,000 Fry Sight Words with GIFs, audio, syllable breakdown, and feedback. Teacher Customization: Teachers can upload their own flashcards (words, GIFs, audio). AI Assistance: AI can generate flashcards, GIFs, audio, and sample sentences.
- **Track Student Progress:** Allow students to monitor their own learning journey and focus on areas where they need improvement through progress tracking and feedback.
- **Incorporate Gamification:** Encourage students to keep learning through rewards, leaderboards, and challenges.

# Specifications

## 1. User Roles & Permissions

- **Admin:** Full control over settings, user management, and content.
- **Teacher:** Can create, upload, and manage flashcards, quizzes, and track student progress.
- **Student:** Can access content, record responses, track personal progress, and receive feedback.

## 2. Flashcards

- **Pre-loaded Set:** 1,000 Fry Sight Words with GIFs, audio, syllable breakdown, and feedback.
- **Teacher Customization:** Teachers can upload their own flashcards (words, GIFs, audio).
- **AI Assistance:** AI can generate flashcards, GIFs, audio, and sample sentences.

## 3. Speech & Phonetics

- **Recording & Feedback:** Students record pronunciation, and the app provides phonetic feedback with syllable breakdowns and corrections.

## 4. AI Integration

- **Content Generation:** AI can suggest or create GIFs, audio, sentences, and syllable breakdowns.
- **Teacher Option:** Teachers can upload and customize flashcards manually instead of using AI-generated content.
- **Improvement:** AI provides feedback and content suggestions based on student performance.

## 5. Student Tracking & Progress

- **Personal Dashboard:** Tracks mastered words, struggling words, and quiz performance.
- **Teacher Reports:** Detailed progress reports for individual students and classes.

## 6. Admin Controls

- **User Management:** Admins can manage teacher/student roles, content, and permissions.
- **Content Restrictions:** Admins control who can create and edit flashcards and quizzes.

## 7. Gamification

- **Badges & Leaderboards:** Students earn badges for milestones, and a leaderboard promotes friendly competition.

## 8. Quizzes & Assessments

- **Quiz Types:** Multiple choice, pronunciation, fill-in-the-blanks, and matching tests.
- **Levels of Mastery:** Quizzes track progress at various stages (e.g., after 10, 100 words).

## 9. Feedback & Correction

- **Instant Feedback:** After quizzes and pronunciation attempts, students get visual and auditory feedback.
- **Progress Alerts:** Notifications for milestones or areas needing improvement.

# Milestone 1:

## High-Fidelity Design Prototype Created Using Figma (UI)

Devising Workflow of the App Compatible to Flutter Implementation.

(20 days or completion of milestone)

Cost: 1,300 USD

- **High-Fidelity Design Prototype:** We create a detailed and interactive Prototype of your app. It shows exactly how the final app will look and work.
- **User-Centered Design:** The design process prioritizes the user experience, ensuring that the app is intuitive, engaging, and reflective of your brand identity.
- **Regular Client Feedback:** Your feedback is crucial throughout this phase. It guides the design process to ensure that the final product accurately represents your vision and meets your business objectives.

### What We Require:

- **Color Palette:** Guidance on the business scope and inspiration to select an appropriate color palette.
- **Business Images (Logo):** High-resolution images, particularly the business logo, for brand integration in the design.
- **Content for the App:** Written material for sections like 'About Us,' 'Help,' 'FAQs,' etc., to ensure the app's content aligns with your business's messaging.

### What We Deliver:

- **Initial Draft in the First Week:** Over 10 design elements to initiate the revision process.
- **Unlimited Revisions:** Ongoing refinement to ensure the design meets your requirements and vision.

## Milestone 2:

### High-Fidelity Design Prototype Created Using Figma (UX)

Devising Workflow of the App Compatible to Flutter Implementation.

(20 days or completion of milestone)

Cost: 1,300 USD

- **High-Fidelity Design Prototype:** We create a detailed and interactive Prototype of your app. It shows exactly how the final app will look and work.
- **User-Centered Design:** The design process prioritizes the user experience, ensuring that the app is intuitive, engaging, and reflective of your brand identity.
- **Regular Client Feedback:** Your feedback is crucial throughout this phase. It guides the design process to ensure that the final product accurately represents your vision and meets your business objectives.

#### What We Require:

- **Color Palette:** Guidance on the business scope and inspiration to select an appropriate color palette.
- **Business Images (Logo):** High-resolution images, particularly the business logo, for brand integration in the design.
- **Content for the App:** Written material for sections like 'About Us,' 'Help,' 'FAQs,' etc., to ensure the app's content aligns with your business's messaging.

#### What We Deliver:

- **Initial Draft in the First Week:** Over 10 design elements to initiate the revision process.
- **Unlimited Revisions:** Ongoing refinement to ensure the design meets your requirements and vision.

# Milestone 3:

## Front-End Development- Transforming Figma Designs into Flutter Code (For Both IOS and Android)

(20 days or completion of milestone)

Cost: 5,200 USD

- **Converting Designs to Flutter Code:** In this phase, we focus on transforming the approved high-fidelity designs from Figma into mobile front-end code (Only UI design into Flutter code).
- **Tech Stack for Cross-Platform Excellence:** Utilizing Flutter, along with the Dart programming language, we aim to create a robust and responsive mobile application compatible with both iOS and Android platforms.

### What We Require:

- **Approved Figma Design:** The foundational requirement for this milestone is the Figma design that has been finalized and approved in Milestone 1.

### What We Deliver:

- **Front-End Development:** The core deliverable is the fully developed front-end (Only UI design into Flutter code) of the mobile application.
- **APK:** We will provide the Android APK file, allowing you to install and test the application on Android devices.
- **Source Code:** You will receive the complete source code for the application, enabling you to maintain and modify the app as needed.
- **iOS Test Flight:** For iOS users, we will make the app available on TestFlight, facilitating testing and feedback on Apple devices.



## Milestone 4:

### Admin Panel development.

(20 days or completion of milestone)

Cost: 4,800 USD

- The focus of this milestone is the development of a comprehensive Admin Panel, encompassing frontend components.
- Buying the required server for storing databases and Creating required APIs.
- **Tech Stack:**
  - **Frontend:** The frontend development will utilize ReactJS. These technologies are chosen for their flexibility and compatibility with various platforms.

### Requirements:

- The starting point for this phase is the approved design, ensuring that the development aligns with the pre-designed UI/UX.
- **Domain:** The specific domain for the admin panel will be acquired, which is essential for hosting and accessing the panel.

### Deliverables

- **Source Code:** Complete source code for the Admin Panel.
- **Admin Panel:** The Admin Panel will either be deployed or provided in a detailed format.

**Note:** Admin Panel will be deployed on Firebase if the client doesn't provide the domain and hosting for it.

# Milestone 5:

## Complete Functionalities Development with API Generation/Integration and Quality Testing

(45 days or completion of milestone)

Cost: 3,900 USD

### Objective:

- **Comprehensive Backend Development and API Integration:** This encapsulates the development of the complete backend system, the integration of APIs, and the modular implementation of the app's components.
- **Modular Development Approach:** The development is structured into separate modules, each targeting specific app functionalities. This modular approach ensures focused development and testing, guaranteeing each part meets its requirements before proceeding.

### Requirements

- **Client-Approved Frontend Sources:** Utilization of the frontend sources approved by the client, ensuring consistency with the overall app design.
- **Services:** Implementing services like APIs, payment integrations, and setting up a Firebase account (if not using custom backend) for backend services.

### Deliverables

- **Source Code:** The complete source code of the app, encompassing both frontend and backend.
- **Backend System:** A fully functional backend system hosted on an online server, ready for real-time user interaction.

# Milestone 6:

## Quality Assurance (QA)

(15 days or completion of milestone)

Cost: 1,500 USD

Duration: Set after the completion of development, based on scope

**Objective:** Conduct thorough testing to ensure all web app functionalities work perfectly and meet the project requirements.

### Activities:

- Functional Testing: Verifying all web app features operate according to specifications.
- Performance Testing: Ensuring the web app performs well under expected loads.
- Security Testing: Checking for vulnerabilities and potential security breaches.
- Usability Testing: Assessing the app's user interface and experience for improvements.

### Deliverables:

- QA Report detailing the testing outcomes, issues found, and resolutions.
- Final, polished web app ready for deployment after ensuring all functionalities work as expected.

## Milestone 7:

### Uploading Apps to Play Store and Apple Store.

(Optional) (10 days or completion of milestone)

Cost: 500 USD

#### Requirement:

- **Google Developer Account:** Google developer account for deployment on Google PlayStore
- **Apple Developer Account:** Apple Developer account for deployment on the Apple App Store
- **Legal Compliance:** Drafting and implementing a Privacy Policy and Terms & Conditions for the app. This is critical for legal compliance and user trust.

#### Deliverables

- **Published Apps:** The app will be available for download on both the Apple App Store and Google Play Store.

## Bonus:

- You'll get 2 months of priority support.
- Free bug-fixing support for two months after project completion.
- Free consultation for two months after project completion.
- Reasonable fee for any major changes/additions made in functionalities
- Unlimited revisions to the application until it is considered complete by you.

## Payment Terms and Milestone Deliverables

- To begin the development of your project, a payment for the first milestone, which covers the design phase, is required. This initial payment will be held by Fiverr in their escrow system and serves as your commitment to the project, enabling us to initiate the development process. This payment will be released to us once we deliver the work to you.
- Subsequent Milestones Payment: For all following milestones — which include front-end development, admin panel setup, back-end development, and uploading to the Play Store and Apple Store — you are not required to make any upfront payments.
- Completion and Payment Process: Once each milestone is completed, we will send you an offer for review. You only need to make a payment after you have reviewed and approved the work for that specific milestone. This ensures that you are fully satisfied with the deliverables before proceeding with the payment.