Resource Management Plan: Langualiser

Project: Langualiser
Description: Implementation of the Langualiser mobile app on iOS and Android
PM's name and surname: *Kamil Truszkowski*
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1. Human Resources

The success of the Langualiser project is heavily dependent on the effective management of human resources. Below is a list of teams and key individuals involved in the project:

- **Project Manager (PM):** Kamil Truszkowski
  - **Role:** Oversees the entire project, coordinates teams, monitors progress, and ensures the project stays within scope, time, and budget.
- **Business Analyst:** Joanna Kowalska
  - **Role:** Responsible for gathering and analyzing business requirements, ensuring that the application meets user needs and aligns with business goals.
- **IT Architect:** Oktawian Czakiert
  - **Role:** Chooses the technology stack, designs the architecture, and supervises the technical implementation of the project.
- **Development Team:**
  - **Lead Developer:** Bartłomiej Goźliński
    - **Role:** Leads the coding efforts, ensures proper integration of application components, and implements core functionalities.
  - **UX/UI Designer:** Janusz Lis
    - **Role:** Designs the user interface and ensures the application provides a positive user experience.
  - **Developers:** Team members under the supervision of Bartłomiej Goźliński, responsible for coding, integrating, and testing individual modules of the application.

- **Quality Assurance Team:**
  - **Lead Tester:** Sebastian Ledzianowski
    - **Role:** Conducts tests to ensure the application meets quality standards, identifies bugs, and ensures that the final product is error-free before deployment.
- **Marketing Team:**
  - **Marketing Lead:** Maria Malinowska
    - **Role:** Manages all marketing efforts, including campaign planning and execution, to drive user acquisition and engagement.
- **Legal Advisor:** Marta Jankowska
  - **Role:** Provides legal guidance on data protection, licensing, and regulatory compliance.
- **ScrumMaster:** Tomasz Hesse
  - **Role:** Facilitates Scrum meetings, helps remove impediments, and supports the development team in following Agile principles.
- **Sponsor:** Filip Pająk
  - **Role:** Provides financial resources, makes high-level decisions, and ensures the project aligns with strategic business goals.

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2. Technological Resources

To ensure the Langualiser project meets its goals, the following tools and technologies will be utilized:

- **Development Environment:**
  - **Integrated Development Environment (IDE):** Visual Studio Code, Android Studio, Xcode
    - **Purpose:** Provides a robust environment for writing, testing, and debugging code.
  - **Version Control System:** Git/GitHub
    - **Purpose:** Manages code versions, facilitates collaboration among developers, and tracks changes.

- **Database and Backend:**
  - **Database Management System:** MySQL/PostgreSQL
    - **Purpose:** Stores user data, progress tracking information, and content for interactive lessons.
  - **API Management:** RESTful APIs, GraphQL
    - **Purpose:** Facilitates communication between the app and the backend, including translation services integration.
- **Frontend Technologies:**
  - **Frameworks:** React Native, Swift, Kotlin
    - **Purpose:** Develops the mobile app for both iOS and Android platforms with a seamless user interface.
- **Testing Tools:**
  - **Automated Testing:** Selenium, Appium
    - **Purpose:** Automates functional testing to ensure the app operates as intended across different devices and platforms.
  - **Manual Testing:** JIRA, TestRail
    - **Purpose:** Tracks bugs and ensures comprehensive manual testing coverage.
- **Cloud Services and Hosting:**
  - **Cloud Platform:** AWS, Google Cloud
    - **Purpose:** Hosts the backend infrastructure, provides scalability, and ensures high availability.
  - **Content Delivery Network (CDN):** Cloudflare
    - **Purpose:** Enhances the app's performance by distributing content closer to the users.
- **Collaboration Tools:**
  - **Project Management:** JIRA, Trello
    - **Purpose:** Tracks tasks, manages sprints, and facilitates collaboration across teams.
  - **Communication:** Slack, Zoom
    - **Purpose:** Supports real-time communication and meetings among team members.

- **Marketing Tools:**
  - **Analytics:** Google Analytics, Firebase
    - **Purpose:** Tracks user behavior, measures the effectiveness of marketing campaigns, and provides insights for user engagement strategies.
  - **Marketing Automation:** HubSpot, MailChimp
    - **Purpose:** Manages email marketing, user segmentation, and campaign automation.