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# Introduction

# Main Features

# Forming a Development Team

# Preliminary Research

# Brainstorming

# Research – Web Market Analysis

# Description

# Technical Requirements

Personas

# Use Cases

# Activity Diagram

# Entities (20 marks)

# Content Plans (10 marks)

# Prototypes (20 marks)

# Class Diagram (20 marks)

# Implementation - Developing the Agile Plan (20 marks)

# Conclusion

# Team Contributions

|  |  |
| --- | --- |
| **Team Members** | **Content covered** |
| Chiagozie, Maduemesi |  |
| Faith, Okunola | Personas, Descriptions, Web Analysis, Technical Requirement |
| Onolemen, Omokhuale | Forming Development Team, Content plans and prototype. |
| Shresta, Rapol | use cases , ER diagram, Activity diagram, class diagram, Developing Agile Plan |

# References

Content Plans

**Home Page**

* **Hero Section:**
  + Headline: "Connect. Collaborate. Innovate."
  + Call to Action: "Start Your Journey"
* **Feature Highlights:**
  + AI Matchmaking: Explain how AI matches users based on skills, interests, and goals.
  + Virtual Collaboration Space: Showcase the features of the virtual workspace.
  + Skill Exchange: Highlight the benefits of trading skills.
* **Testimonials:**
  + Quotes from satisfied users.
* **Call to Action:**
  + Prominent sign-up button.

**Sign-Up Page**

* **Basic Information:**
  + Name, email, password
* **Profile Creation:**
  + Skills, interests, goals
  + Preferred collaboration style (remote, in-person, hybrid)
  + Time zone
* **AI Matchmaking Preferences:**
  + Ideal co-founder or team member traits
  + Desired skills or expertise

**Dashboard**

* **Personalized Feed:**
  + AI-matched potential collaborators
  + Upcoming events and webinars
* **Virtual Workspace:**
  + Project boards
  + Video conferencing
  + File sharing
  + Code repositories
* **Skill Exchange Marketplace:**
  + Post offers and requests for skills
  + Browse other users' offers
* **Messaging:**
  + Direct messaging with other users
  + **AI Matchmaking Algorithm**
* **User Profile Analysis:**
  + Extract key information from user profiles (skills, interests, goals, location, time zone)
* **Similarity Calculation:**
  + Use algorithms like cosine similarity or TF-IDF to measure the similarity between user profiles.
  + Consider factors like shared interests, complementary skills, and geographic proximity.
* **Matching Criteria:**
  + Prioritize matches based on user preferences and compatibility.
  + Consider factors like project stage, team size, and desired level of collaboration.
* **Match Recommendations:**
  + Present users with a list of potential matches, along with relevant information about their skills, experience, and availability.

**Skill Exchange Platform**

* **Skill Listings:**
  + Users can create listings offering their skills or requesting specific skills.
  + Include details like skill level, availability, and preferred collaboration methods.
* **Skill Trading:**
  + Users can negotiate and agree on terms for skill exchanges.
  + Implement a system to track and verify completed exchanges.

**Additional Features:**

* **Community Forums:**
  + Discussion boards for general topics and specific project discussions.
* **Mentorship Program:**
  + Connect experienced entrepreneurs with aspiring founders.
* **Event Calendar:**
  + Promote upcoming tech events, workshops, and hackathons.
* **Resource Library:**
  + Curated collection of articles, tutorials, and tools.