Assignment Proposal

Topic:

SkillForge — A Portfolio-Building Platform to Match Talent with Opportunities

Brief Descriptions:

Introduction and Problem Statement:

SkillForge is a web-based collaborative platform designed to connect individuals with diverse skill sets to real-world project opportunities. It allows project owners (clients) to publish tasks or projects, while users (freelancers or collaborators) can apply, contribute, and build their professional portfolios. When a job requires multiple skill sets, the system identifies and suggests other users with complementary skills and similar experience levels, helping users form balanced and capable teams. Each participant's achievements, contributions, and ratings are recorded, serving as verifiable credentials that enhance employability and skill recognition.

Many individuals struggle to gain recognition and experience due to limited access to opportunities. Existing platforms either focus primarily on paid work (Fiverr) or on networking (LinkedIn) rather than collaboration and skill-building. SkillForge bridges this gap by connecting individuals with diverse skill sets to real-world project opportunities, enhancing skill validation through practice and enabling users to build visible recognition of their professional growth.

Target Audience:

- Aspiring students seeking real-world exposure
- Unemployed graduates looking to build credible portfolios
- Skilled and enthusiastic individuals who want to showcase their expertise
- Project managers needing capable collaborators
- Startup companies searching for affordable, talented teams
- Credential seekers interested in verified skill recognition

Services/ Functionalities:

- Project owners
  - Post job/ project requests with specific requirements
  - Specify minimum participants
  - Choose task selection criteria: first-come-first-served, fastest completion, or best project
  - Give feedback & rating (on both participants + selected solutions)
  - Choose project type: competition or project-based
  - Provide ratings and feedback (participants and submissions)
  - Comment and interact on job posts
- Contributors

- Browse job/project opportunities
- Filter job/project requirements
- Comment and interact on job posts
- Apply for job/project (individually or team)
- Obtain collaboration recommendations based on skill match
- Maintain an automatically updated achievement portfolio
- Admin
  - Verify credentials of clients and freelancers
  - Verify job posts
  - Monitor platform activities
  - Remove fraudulent accounts or posts
  - Manage reports and handle disputes

Objectives and Goals:

- Establish SkillForge as a reputable platform akin to Kaggle, GitHub, LinkedIn, and Fiverr
- Create a reliable skill-validation system through verified projects and achievements
- Provide meaningful opportunities to reduce unemployment and underemployment
- Encourage portfolio-based credentials over traditional certificates
- Promote collaboration and innovation through project-based learning and real-world challenges

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