Arab Academy for Science, Technology & Maritime Transport

Graduation Project

Learning Experience Platform.

User Journey for (LXP)

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User Journey for Learning Experience Platform (LXP)

Step 1: User Registration/Login

1. **New User Registration**

   o User creates an account by providing basic information:

      ▪ Full name

      ▪ Email address

      ▪ Education level (High School/College Student)

      ▪ Password creation

   o Option for Single Sign-On (SSO) using Google, Facebook, or LinkedIn.

   o Verify email or phone number with a one-time passcode (OTP).
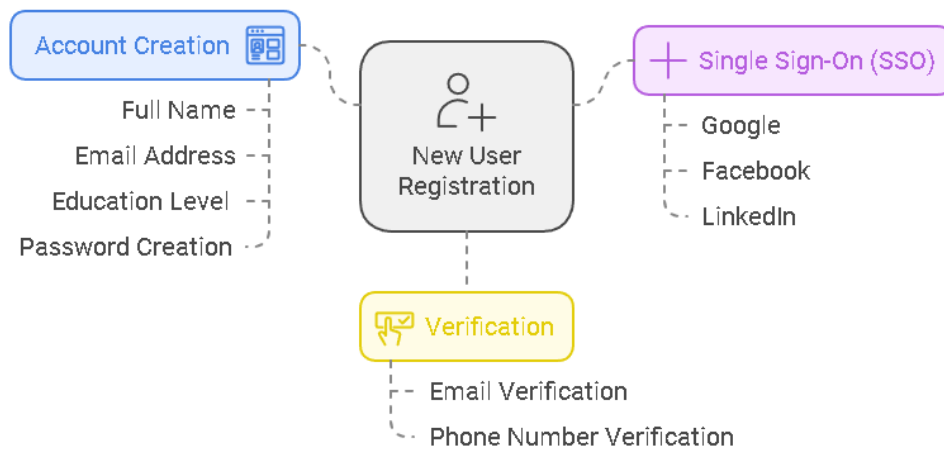
2. Returning User Login

- o Login via email/password or social sign-in.

- o Option to retrieve a forgotten password.

User Registration and Login Process
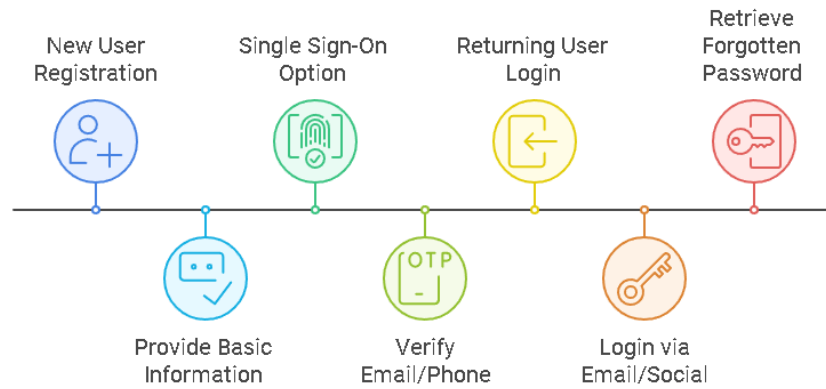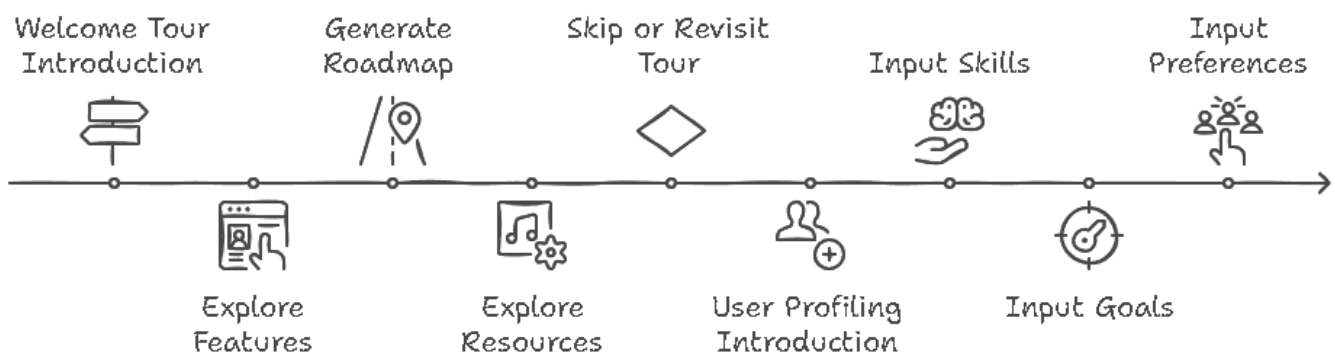
Step 2: User Onboarding

1. **Welcome Tour**

   o A guided walkthrough of the platform's features:

      ▪ Take quizzes/tests.

      ▪ Generate roadmap.

      ▪ Explore resources and recommendations.

   o Users can skip or revisit the tour.

2. **User Profiling**

   o User fills out additional details to help personalize their experience:

      ▪ Current skills or interests.

      ▪ Career or educational goals.

      ▪ Preferred industries/fields.

User Onboarding Process

Welcome Tour Introduction — Generate Roadmap — Skip or Revisit Tour — Input Skills — Input Preferences

Explore Features — Explore Resources — User Profiling Introduction — Input Goals

Step 3: Assessment Stage
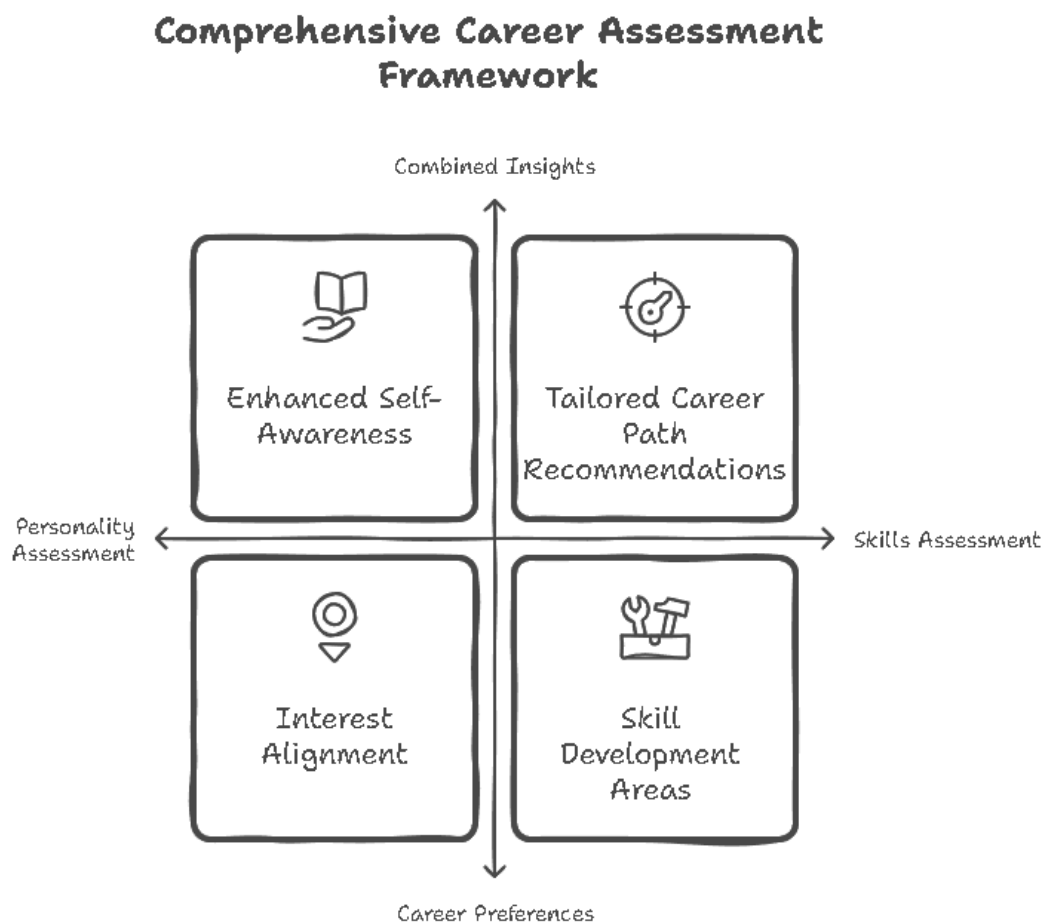
1. **Personality Test**

   o A psychometric test to assess personality traits (e.g., Big Five or MBTI-style).

   o 10-20 carefully curated questions with instant feedback.

2. **Skills Assessment**

   o A skill-based quiz tailored to the user's education level or field.

   o Categories:

     ▪ Analytical skills

     ▪ Technical skills

     ▪ Communication skills

3. **Career Preferences Survey**

   o Questions to gauge the user's interests and long-term aspirations.

Comprehensive Career Assessment Framework

Combined Insights

Enhanced Self-Awareness

Tailored Career Path Recommendations

Personality Assessment

Skills Assessment

Interest Alignment

Skill Development Areas

Career Preferences

Step 4: Results Analysis

1. **Comprehensive Report**

   o Displays:

      ▪ Personality type

      ▪ Top strengths and areas for improvement

      ▪ Suggested career fields/college majors.

2. **Comparison with Industry Trends**

   o Aligns the user's results with trending careers or in-demand skills.

Analyzing Personality Test Results

Comparison with Trends

Aligning results with current industry demands and opportunities

Comprehensive Report

A detailed overview of personality type, strengths, and career suggestions
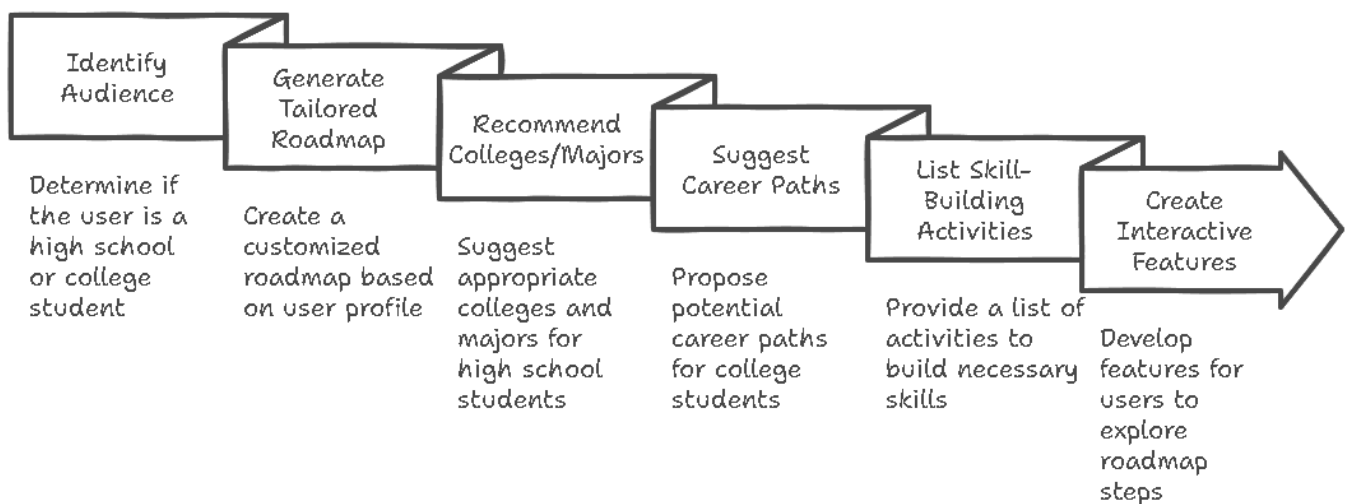
Step 5: Roadmap Generation

1. **Tailored Career/Education Roadmap**

   o For High School Students:

      ▪ Recommended colleges and majors.

      ▪ Steps to prepare for admissions (e.g., skills to develop, extracurriculars to pursue).

   o For College Students:

      ▪ Recommended career paths.

      ▪ Skill-building activities, certifications, or internships.

2. **Interactive Roadmap Features**

   o Users can explore each step of the roadmap for detailed action items.

   o Milestones, deadlines, and reminders to track progress.

Career and Education Roadmap Generation

Identify Audience
Determine if the user is a high school or college student

Generate Tailored Roadmap
Create a customized roadmap based on user profile

Recommend Colleges/Majors
Suggest appropriate colleges and majors for high school students

Suggest Career Paths
Propose potential career paths for college students

List Skill-Building Activities
Provide a list of activities to build necessary skills

Create Interactive Features
Develop features for users to explore roadmap steps

Step 6: Resource Recommendation

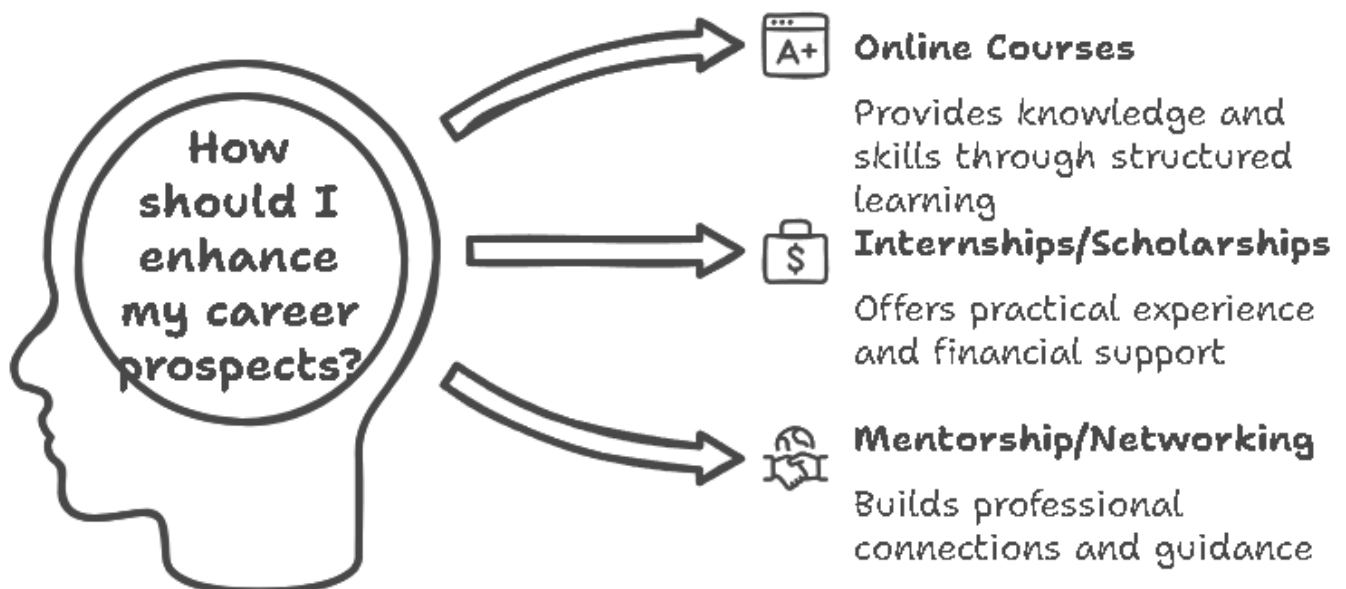1. **Courses and Certifications**

   o Suggested online courses or certifications (e.g., Coursera, edX, LinkedIn Learning).

2. **Internships and Scholarships**

   o Display internships or scholarship opportunities relevant to the user's field.

3. **Mentorship and Networking**

   o Connect with industry professionals, mentors, or college alumni.

Step 7: Engagement and Gamification

1. **Gamification Elements**

    o   Badges and points for completing assessments, roadmap milestones, and skill-building tasks.

    o   Leaderboards to compare progress with peers (optional).

2. **Progress Tracking**

    o   Visual progress tracker for the roadmap.

    o   Dynamic dashboards that show achievements, completed steps, and pending tasks.
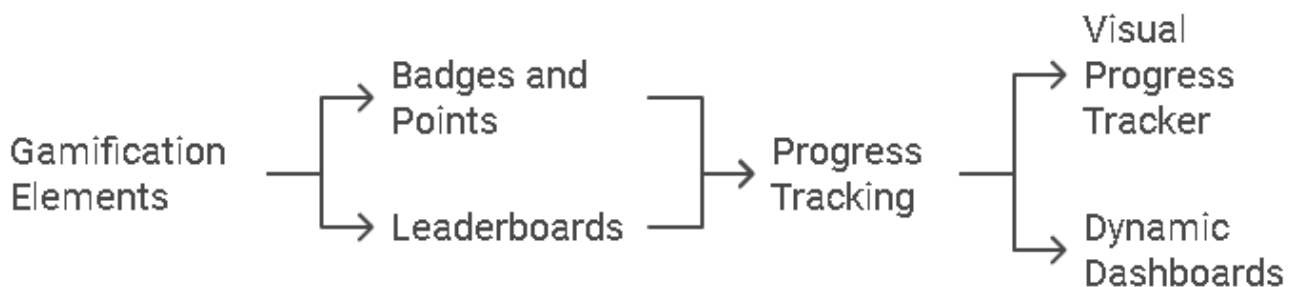
Step 8: Continuous Support

1. **Periodic Assessments**

   o   Users can retake personality or skill assessments to update their profiles and recommendations.

2. **Notifications and Updates**
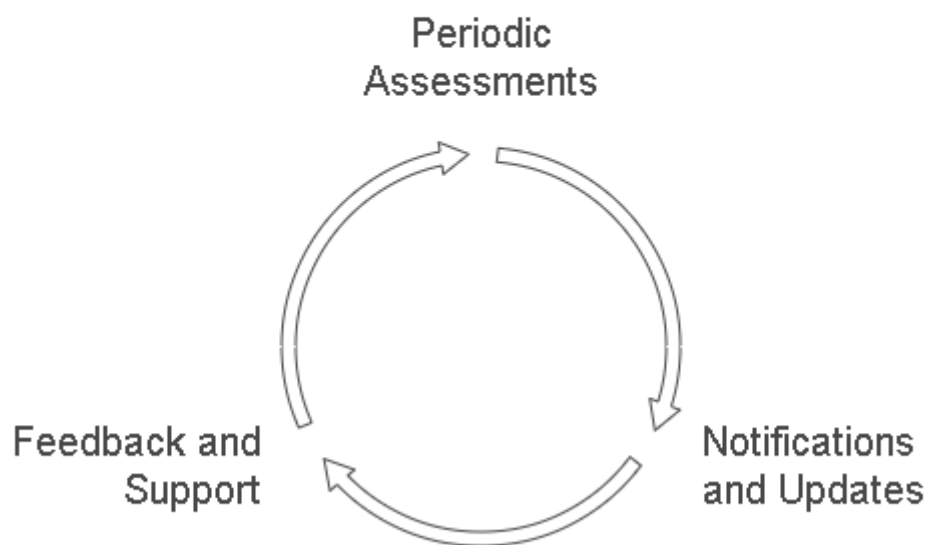
   o   Reminders about upcoming deadlines or incomplete steps.

   o   Alerts about new career trends, courses, or opportunities.

3. **Feedback and Support**

   o   Users can submit feedback about their experience.

   o   Access to a help center or live chatbot for assistance.

Continuous Support Cycle

Periodic
Assessments

Notifications
and Updates

Feedback and
Support

Step 9: Completion of Journey

1. **Final Summary**

   ○ A detailed report summarizing their entire journey on the platform.

   ○ Certificate of completion or acknowledgment of milestones achieved.

2. **Sharing Success Stories**

   ○ Option to share their results or roadmap milestones on social media.

Completion of Journey Sequence

Final Summary

User receives a detailed report and certificate

Sharing Success Stories

User shares achievements on social media

User Journey

Roadmap Generation
- Tailored Career/Education Roadmap
- Interactive Roadmap Features

Assessment
- Personality Test
- Skills Assessment
- Career Preferences Survey

Registration/Login
- New User Registration
- Returning User Login

Onboarding
- Welcome Tour
- User Profiling

Engagement and Gamification
- Gamification Elements
- Progress Tracking

Resource Recommendation
- Courses and Certifications
- Internships and Scholarships
- Mentorship and Networking

Continuous Support
- Periodic Assessments
- Notifications and Updates
- Feedback and Support

Results Analysis
- Comprehensive Report
- Comparison with Industry Trends

Completion of Journey
- Final Summary
- Sharing Success Stories