PM4

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Process Deliverables - Agile

What Went Well:

1. Completion of theoretical prototypes for staged information reveals enhanced user comfort and control.
2. Integration of enhanced profiles, including bio sections, skill tags, and external links that allow users to represent themselves better.
3. Feedback loops have been effective in helping iterate improvements to matching criteria and algorithms.

Challenges:

1. Balancing the complexity of algorithms with performance remains intricate and time intensive.
2. Onboarding processes need continuous refinement to capture relevant data efficiently.
3. Ensuring user privacy while allowing enough transparency for trust-building continues to be a priority.

Action Items Completed:

1. Refined ranking of match criteria by considering feedback from beta testing.
2. Designed and developed prototypes for new privacy features; staged profile reveals among others.
3. Prepared the core components of the beta release by fixing identified bugs and UI/UX inefficiencies.

Prioritized Tasks for the Next Sprint:

1. Finalize the matching algorithm, including dynamic adjustments for user preferences.
2. Perform extensive testing of the beta release to ensure reliability and user satisfaction.
3. Improve onboarding flows to make data collection seamless without compromising on detail.
4. Provide expanded privacy settings, allowing users to fine tune who sees their profiles.

Goal for the Next Sprint:

Release a feature-complete beta version for user testing, incorporating refined algorithms, polished UI elements, and advanced profile privacy options.

Black Box Testing

Test ID	Description	Expected Results	Actual Results
Test_Profile_Info Test type: - Functional Test	**Preconditions**: - User is on the profile creation page. **Steps**: - Fill the required fields (skills, experience, etc.). - Try to submit the profile changes. **Test Inputs**: - Skill: "JavaScript" - Experience: "3 years" - Availability: "Full-time"	The system should allow the user to submit the profile once all of the mandatory fields are filled. If there are any empty fields, the submit button should remain disabled.	------------------------ ------------------------ ------------------------ ------------------------
Test_Profile_Pricture Test type: - Boundary Test	**Preconditions**: - User is on the profile page, and ready to upload a profile picture. **Steps**: - Click the upload button. - Upload an image file. **Test Inputs**: - Image file (.jpg for example)	The image should upload successfully, and the profile preview should display the uploaded image with a message indicating the successful upload.	------------------------ ------------------------ ------------------------ ------------------------
Test_Profile_Validation Test type: - Error Handling Test	Preconditions: - User is on the profile page, and ready to upload a profile picture. Steps: - Click the upload button. - Try to upload a non-image file such as a pdf. Test Inputs: - Upload a pdf file.	The system should display an error message mentioning how an invalid file is being added, with a statement saying what steps are needed to prevent this error from occuring again.	------------------------ ------------------------ ------------------------ ------------------------
Test_Matching_Algo_01 Test type: - Functional Test	Preconditions: - User has completed their profile. Steps: - View the initial match recommendations page after profile completion. Test Inputs: - Profile data, which include the skills, years of experience, availability...etc.	The system should display at least 10 potential matches with relevant information about the users such as their skillsets, their level of experience, their availability, ...etc.	------------------------ ------------------------ ------------------------ ------------------------

Test_Matching_Algo_02 Test type: - Functional Test	Preconditions: - User is viewing their initial match recommendations. Steps: - Click on the refresh button. Test Inputs: - User profile	The system should generate a new list of potential matches, which are completely different from the initial matching list.	------------------------ ------------------------ ------------------------ ------------------------
Test_Matching_Messages Test type: - Functional Test	Preconditions: - User has exchanged 10 messages with a match. Steps: - View the profile details of the match Test Inputs: - 10 exchanged messages with a match.	Additional profile details should be revealed after 10 messages are exchanged, and the user should receive a notification that more information is now available.	------------------------ ------------------------ ------------------------ ------------------------
Test_Profile_Privacy Test type: - Security Test	Preconditions: - User is on the profile settings page. Steps: - Set privacy to hide skill level and years of experience. - Save privacy settings. Test Inputs: - Privacy settings for skills and experience.	The profile details should be hidden from other users based on the privacy settings that have been modified.	------------------------ ------------------------ ------------------------ ------------------------
Test_Interactive_Prompt Test type: - Usability Test	Preconditions: - User is engaged in a conversation with a match. Steps: - Wait for an interactive prompt based on mutual skills. Test Inputs: - User's skill in JavaScript, and the match's skills in Python.	The system should display somewhat of a relevant prompt such as a statement like "I see that you're skilled in JavaScript, do you prefer front-end or back-end development?"	------------------------ ------------------------ ------------------------ ------------------------

Test_Password_Reset Test Type: Functional/Boundary Test	Preconditions: - User has previously created an account with a valid email they have access to and is on the "Forgot Password" page. Steps: - Enter a valid email associated with an existing account. - Check email for the reset link - Click the link and enter the new password Test Inputs: - An email address for the user, and the new password	The reset link should be successfully sent to the given email. The link should properly redirect the user to the reset password portal, and the new password should be able to be used at the next log in attempt.	------------------------ ------------------------ ------------------------ ------------------------
Test_Session_Timeout Test Type: Performance/Functional Test	Preconditions: - User is logged in and on the dashboard page. Steps: - Leave the system idle for a specified time (e.g., 15 minutes - Try performing an action (e.g., refresh the dashboard) Test Inputs: - No input needed	The website should go idle when left on too long and prompt a message that it has timed out	------------------------ ------------------------ ------------------------ ------------------------
Error Handling Test Test Type: Functional Test	Preconditions: - User is on the "Create Match" page. Steps: - Leave one or more required fields blank (e.g., skill or experience) - Click the "Create Match" button. Test Inputs: - Data to fill in some fields, but not others	The site should give an error message indicating there has been a field left empty, and it should not try to find a match	------------------------ ------------------------ ------------------------ ------------------------
Server Connection Test Test type: Functional Test	Preconditions: - Previous Tests were successful	The tests should still be successful even when	------------------------ ------------------------

| | Steps:
- Run the previous tests from multiple sources and devices to test the servers' ability to handle multiple tests

Test Inputs:
- The same inputs as the previous tests | there are multiple requests from different clients | --------------------------
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