

■ Project Pseudocode

Team Matcher & Harmony Engine

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■ 00_user_role_selector_and_profile_form

- Start program
- Ask user: Are you Admin or Employee?
- If Employee: collect profile data and save to CSV
- If Admin: grant access to task input and analytics dashboard
- End

■ 01_task_input_by_admin

- Admin enters task name, type, deadline, required skills
- Store task in CSV/Database

■ 02_trait_scorer

- Load employee profile data
- Assign scores for traits like teamwork, leadership, etc.
- Save trait scores

■ 03_skill_matcher

- Load employee skills and tasks
- Calculate match score for each employee-task pair
- Save results

■ 04_synergy_calculator

- For each employee pair: evaluate compatibility
- Calculate synergy score
- Store synergy scores

■ 05_team_recommender

- Generate all possible teams
- Calculate total score = skill score + synergy score
- Rank teams and store top recommendations

■ 06_output_visualizer

- Load recommendation results
- Display top teams and solo performers using graphs/tables

■ 07_team_builder_module

- Integrate modules: skills, traits, synergy
- Combine into structured team outputs

■ 08_team_matcher_app

- Initialize Streamlit app
- Provide Admin view with task matching, insights, profiles
- Provide Employee view with saved profile access
- Display best solo and team recommendations interactively