

| PSM Stage          | Task Description  | # | Duration (Days) |  | Start Date |  | End Date   | Dependencies | Milestone                   |
|--------------------|---|---|-----------------|--|------------|--|------------|--------------|-----------------------------|
| Analysis (U3O2)    | Draft brief justifying club management solution                               | 3 |                 |  | 18/03/2025 |  | 20/03/2025 | None         | Yes (1: Brief Complete)     |
|                    | Research existing club management issues                                      | 2 |                 |  | 18/03/2025 |  | 19/03/2025 | None         | No                          |
|                    | Outline problem statement and objectives                                      | 1 |                 |  | 19/03/2025 |  | 19/03/2025 |              | 15 No                       |
|                    | Gather initial client requirements  | 2 |                 |  | 20/03/2025 |  | 21/03/2025 |              | 1 No                        |
|                    | Survey students/leaders on club needs and go through existing school club req | 5 |                 |  | 21/03/2025 |  | 27/03/2025 |              | 1 No                        |
|                    | Design survey questionnaire   | 1 |                 |  | 21/03/2025 |  | 21/03/2025 |              | 1 No                        |
|                    | Distribute surveys to students and leaders                                    | 2 |                 |  | 22/03/2025 |  | 23/03/2025 |              | 19 No                       |
|                    | Collect and compile survey responses  | 2 |                 |  | 24/03/2025 |  | 25/03/2025 |              | 20 No                       |
|                    | Analyze Compass usage data  | 2 |                 |  | 26/03/2025 |  | 27/03/2025 |              | 21 No                       |
|                    | Analyze data, draft SRS   | 7 |                 |  | 28/03/2025 |  | 03/04/2025 |              | 2 Yes (3: SRS Complete)     |
|                    | Synthesize survey and Compass data  | 2 |                 |  | 28/03/2025 |  | 31/03/2025 |              | 2 No                        |
|                    | Draft initial SRS document  | 3 |                 |  | 01/04/2025 |  | 03/04/2025 |              | 24 No                       |
|                    | Review SRS with client feedback   | 2 |                 |  | 04/04/2025 |  | 05/04/2025 |              | 3 No                        |
| Design (U3O2)      | Generate 3 design ideas (sketches, mind maps)                                 | 5 |                 |  | 04/04/2025 |  | 10/04/2025 |              | 3 No                        |
|                    | Brainstorm initial design concepts  | 2 |                 |  | 04/04/2025 |  | 05/04/2025 |              | 3 No                        |
|                    | Create sketches for design ideas  | 2 |                 |  | 06/04/2025 |  | 07/04/2025 |              | 29 No                       |
|                    | Develop mind maps for user flows  | 1 |                 |  | 08/04/2025 |  | 08/04/2025 |              | 30 No                       |
|                    | Refine and select top 3 ideas   | 2 |                 |  | 09/04/2025 |  | 10/04/2025 |              | 31 No                       |
|                    | Develop evaluation criteria   | 3 |                 |  | 11/04/2025 |  | 15/04/2025 |              | 4 No                        |
|                    | Define usability criteria   | 1 |                 |  | 11/04/2025 |  | 11/04/2025 |              | 4 No                        |
|                    | Define performance criteria   | 1 |                 |  | 12/04/2025 |  | 12/04/2025 |              | 34 No                       |
|                    | Document evaluation metrics   | 1 |                 |  | 13/04/2025 |  | 13/04/2025 |              | 35 No                       |
|                    | Create detailed designs (mock-ups, pseudocode)                                | 9 |                 |  | 16/04/2025 |  | 28/04/2025 |              | 5 Yes (6: Designs Complete) |
|                    | Design GUI mock-ups   | 3 |                 |  | 16/04/2025 |  | 18/04/2025 |              | 5 No                        |
|                    | Write pseudocode for core functions   | 3 |                 |  | 19/04/2025 |  | 21/04/2025 |              | 39 No                       |
|                    | Create data flow diagrams   | 3 |                 |  | 22/04/2025 |  | 24/04/2025 |              | 40 No                       |
|                    | Review designs with client  | 2 |                 |  | 25/04/2025 |  | 26/04/2025 |              | 41 No                       |
| Development (U4O1) | Code Login/Registration (CSV, GUI)  | 9 |                 |  | 29/04/2025 |  | 09/05/2025 |              | 6 No                        |
|                    | Set up Python environment   | 1 |                 |  | 29/04/2025 |  | 29/04/2025 |              | 6 No                        |
|                    | Implement user login class  | 3 |                 |  | 30/04/2025 |  | 02/05/2025 |              | 45 No                       |

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|-------------------|--|---|-----------------|---|------------|---|------------|--------------|------------------------|
|                   | Create CSV file handling                         |   | 3               |   | 03/05/2025 |   | 05/05/2025 | 46           | No                     |
|                   | Develop GUI for login                            |   | 2               |   | 06/05/2025 |   | 07/05/2025 | 47           | No                     |
|                   | Code Club Selection/Attendance (checkboxes, CSV) |   | 9               |   | 12/05/2025 |   | 22/05/2025 | 7            | No                     |
|                   | Implement club selection interface               |   | 3               |   | 12/05/2025 |   | 14/05/2025 | 7            | No                     |
|                   | Add attendance logging with checkboxes           |   | 3               |   | 15/05/2025 |   | 17/05/2025 | 51           | No                     |
|                   | Code Reminders/Admin Dashboard                   |   | 7               |   | 23/05/2025 |   | 30/05/2025 | 8            | Yes (9: Code Complete) |
|                   | Develop reminder scheduling algorithm            |   | 2               |   | 23/05/2025 |   | 24/05/2025 | 8            | No                     |
|                   | Create admin dashboard GUI                       |   | 3               |   | 25/05/2025 |   | 27/05/2025 | 54           | No                     |
|                   | Debug/Alpha test (test tables, breakpoints)      |   | 5               |   | 02/06/2025 |   | 06/06/2025 | 9            | No                     |
|                   | Write test cases for alpha testing               |   | 2               |   | 02/06/2025 |   | 03/06/2025 | 9            | No                     |
|                   | Run alpha tests and log issues                   |   | 3               |   | 04/06/2025 |   | 06/06/2025 | 57           | No                     |
| Evaluation (U401) | Prepare beta test plan/scenarios                 |   | 3               |   | 09/06/2025 |   | 11/06/2025 | 10           | No                     |
|                   | Define beta test objectives                      |   | 1               |   | 09/06/2025 |   | 09/06/2025 | 10           | No                     |
|                   | Create test scenarios                            |   | 2               |   | 10/06/2025 |   | 11/06/2025 | 60           | No                     |
|                   | Conduct beta testing (3+ users, surveys)         |   | 7               |   | 12/06/2025 |   | 20/06/2025 | 11           | No                     |
|                   | Recruit 3+ beta testers                          |   | 2               |   | 12/06/2025 |   | 13/06/2025 | 11           | No                     |
|                   | Execute beta tests and collect feedback          |   | 5               |   | 14/06/2025 |   | 18/06/2025 | 63           | No                     |
|                   | Evaluate solution (efficiency/effectiveness)     |   | 5               |   | 23/06/2025 |   | 27/06/2025 | 12           | No                     |
|                   | Analyze beta test results                        |   | 2               |   | 23/06/2025 |   | 24/06/2025 | 12           | No                     |
|                   | Assess efficiency metrics                        |   | 2               |   | 25/06/2025 |   | 26/06/2025 | 66           | No                     |
|                   | Assess project plan (log adjustments)            |   | 3               |   | 30/06/2025 |   | 02/07/2025 | 13           | Yes (14: SAT Complete) |
|                   | Document project adjustments                     |   | 1               |   | 30/06/2025 |   | 30/06/2025 | 13           | No                     |
|                   | Prepare final project report                     |   | 2               |   | 01/07/2025 |   | 02/07/2025 | 69           | No                     |