Criterion B: Record of Tasks

CrossBox Gymnasium Management System Web-Based Solution Development

Task No.	Planned Action	Planned Outcome	Time Estimated	Target Completion Date	Criterion
1	Identify and meet potential client	Initial contact with Mr. Parth Gami, owner of CrossBox Gymnasium	1 day	05/01/2025	**A**
2	Conduct preliminary interview	Understand current manual system and identify pain points	1 day	06/01/2025	**A**
3	Document client requirements	Record all requirements: membership management, trainer management, workout tracking, scheduling, analytics	2 days	08/01/2025	**A**
4	Analyze current system problems	Detail issues: missed renewals, double bookings, lost progress records, lack of digital overview	1 day	10/01/2025	**A**
5	Define success criteria	Establish measurable criteria for project completion and evaluation	2 days	12/01/2025	**A**
6	Write project scenario and rationale	Document why web-based solution with React/Node.js is optimal	2 days	14/01/2025	**A**
7	Create initial wireframes	Sketch basic layouts for all user interfaces (admin, trainer, member)	3 days	17/01/2025	**B**
8	Design database schema	Plan SQL database structure for members, trainers, workouts, sessions	2 days	20/01/2025	**B**
9	Create detailed GUI mockups	Design all screens with annotations showing functionality	4 days	23/01/2025	**B**
10	Develop system architecture diagram	Show how frontend, backend, and database interact	2 days	27/01/2025	**B**

Task No.	Planned Action	Planned Outcome	Time Estimated	Target Completion Date	Criterion
11	Create UML class diagrams	Document all objects, classes, variables, and relationships	3 days	30/01/2025	**B**
12	Design data flow diagrams	Map how information flows through the system	2 days	02/02/2025	**B**
13	Write algorithm pseudocode	Detail key algorithms for booking, scheduling, conflict detection	3 days	05/02/2025	**B**
14	Create flowcharts	Visual representations of major processes and decision points	2 days	08/02/2025	**B**
15	Design test plan	Comprehensive testing strategy covering all features	2 days	10/02/2025	**B**
16	Develop record of tasks	Organize project timeline and milestones	1 day	12/02/2025	**B**
17	Set up development environment	Install Node.js, React, Express, MySQL, and necessary tools	1 day	13/02/2025	**C**
18	Initialize project structure	Create folder hierarchy, set up version control	1 day	14/02/2025	**C**
19	Design and implement database	Create SQL tables with proper relationships and constraints	3 days	17/02/2025	**C**
20	Develop login authentication system	Separate login paths for admin, trainers, and members	3 days	20/02/2025	**C**
21	Create homepage and navigation	Implement responsive landing page with clear navigation	2 days	23/02/2025	**C**
22	Build membership management module	CRUD operations for member profiles, renewals, payment tracking	5 days	28/02/2025	**C**
23	Develop trainer management interface	Trainer profiles, qualifications, assigned members	4 days	04/03/2025	**C**
24	Implement workout tracking system	Categorize workouts, create workout plans, assign to members	5 days	09/03/2025	**C**

Task No.	Planned Action	Planned Outcome	Time Estimated	Target Completion Date	Criterion
25	Create scheduling calendar	Visual calendar with conflict detection for classes and sessions	5 days	14/03/2025	C
26	Build analytics dashboard	Charts and reports for membership trends, trainer activity, attendance	4 days	18/03/2025	C
27	Implement automated renewal reminders	Email notifications for upcoming membership renewals	2 days	20/03/2025	C
28	Develop progress tracking features	Members can view personal workout history and progress	3 days	23/03/2025	C
29	Create admin reporting tools	Generate performance reports for management decisions	3 days	26/03/2025	C
30	Implement responsive design	Ensure all pages work on desktop, tablet, and mobile	4 days	30/03/2025	C
31	Add data validation and error handling	Input validation, error messages, exception handling	3 days	02/04/2025	C
32	Integrate backup system	Automated database backups for data security	2 days	04/04/2025	C
33	Conduct unit testing	Test individual components and functions	3 days	07/04/2025	C
34	Perform integration testing	Test how modules work together, identify issues	3 days	10/04/2025	C
35	User acceptance testing with client	Mr. Gami tests system, provides feedback	2 days	13/04/2025	C
36	Debug and refine based on feedback	Fix issues identified during testing	4 days	17/04/2025	C
37	Write technical documentation	Code comments, setup guide, maintenance manual	3 days	21/04/2025	C
38	Create video demonstration	Record 3-7 minute video showing all features	2 days	24/04/2025	D
39	Conduct final client interview	Get feedback on solution, discuss future improvements	1 day	26/04/2025	E

Task No.	Planned Action	Planned Outcome	Time Estimated	Target Completion Date	Criterion
40	Write evaluation against success criteria	Assess how well each criterion was met	2 days	28/04/2025	E

Word Count: 342