📅 Full Project Plan with SQL Rubrics (Sep 15 – Nov 20)

Week 3 (Sep 15 – Sep 18) – Finish SQL 1 rubric (DESCRIBE + docs)

- **Mon Sep 15**

    - Main: Build SQLAlchemy models for `users` + `players`

    - Sub-item (SQL 1): Run `.schema users` + `.schema players`

    - *Comment:* Verify schema matches planned fields.

- **Tue Sep 16**

    - Main: Build SQLAlchemy models for `evaluations` + `stats`

    - Sub-item (SQL 1): Run `.schema evaluations` + `.schema stats`

    - *Comment:* Confirm foreign keys are present.

- **Wed Sep 17**

    - Main: Add DB session handling (engine + session)

    - Sub-item (SQL 1): Run `PRAGMA table_info(users);` + `PRAGMA table_info(players);`

    - *Comment:* Document fields & datatypes for submission.

- **Thu Sep 18**

    - Main: Expand CRUD routes for users + players

- ○ Sub-item (SQL 1): Screenshot `DESCRIBE` output for all 4 tables

- ○ *Comment:* Screenshots satisfy SQL 1 rubric deliverable.

Week 4 (Sep 22 – Sep 25) – Start SQL 2 rubric (queries)

- **Mon Sep 22**

  - ○ Main: Implement CRUD routes for evaluations + stats

  - ○ Sub-item (SQL 2): Run `SELECT * FROM players;`

  - ○ *Comment:* Confirms SELECT requirement.

- **Tue Sep 23**

  - ○ Main: Add unit tests for player + user endpoints

  - ○ Sub-item (SQL 2): Run `UPDATE players SET age = 20 WHERE name='Ethan Davis';`

  - ○ *Comment:* Confirms UPDATE works correctly.

- **Wed Sep 24**

  - ○ Main: Add integration tests for evaluations routes

  - ○ Sub-item (SQL 2): Run `DELETE FROM players WHERE name='Jordan Lee';`

  - ○ *Comment:* Confirms DELETE works correctly.

- **Thu Sep 25**

  - ○ Main: Expand stats analytics logic

  - ○ Sub-item (SQL 2): Run join query (users ↔ evaluations ↔ players)

- ○ *Comment:* Proves relationships (joins) work.

Week 5 (Sep 29 – Oct 2) – Authentication basics

- **Mon Sep 29**

  - ○ Main: Add `/auth/register` route with JSON input

  - ○ Sub-item (SQL 2): Link users ↔ evaluations (FK check)

  - ○ *Comment:* Ensures logical relationships exist.

- **Tue Sep 30**

  - ○ Main: Add `/auth/login` route, return placeholder JWT

  - ○ Sub-item (SQL 2): Run query join users + evaluations for screenshot

  - ○ *Comment:* Required for SQL 2 rubric.

- **Wed Oct 1**

  - ○ Main: Add password hashing with bcrypt

  - ○ Sub-item: Document relational queries in README

  - ○ *Comment:* Adds rubric evidence.

- **Thu Oct 2**

  - ○ Main: Add JWT token creation + validation utilities

  - ○ Sub-item: Test `/auth/register` saves new user to DB

  - ○ *Comment:* Confirms DB insert via API.

Week 6 (Oct 6 – Oct 9) – Middleware + normalization

- **Mon Oct 6**

  - Main: Add JWT validation middleware

  - Sub-item (SQL 2): Normalize `users` table → 2NF

  - *Comment:* Remove redundancy (roles stored separately).

- **Tue Oct 7**

  - Main: Add role-based access (Admin, Coach, Scout)

  - Sub-item (SQL 2): Normalize `evaluations` table → 3NF

  - *Comment:* Ensure no repeating groups.

- **Wed Oct 8**

  - Main: Protect routes with JWT dependencies

  - Sub-item: Document normalization steps

  - *Comment:* Evidence for SQL 2 rubric.

- **Thu Oct 9**

  - Main: Add error handling for invalid/expired tokens

  - Sub-item: Verify all tables meet 3NF

  - *Comment:* Confirm schema is fully optimized.

Week 7 (Oct 13 – Oct 16) – Export + finalize SQL 2 rubric

- **Mon Oct 13**

  - Main: Add pytest tests for registration/login

  - Sub-item (SQL 2): Export `.sql` snapshot of DB

- ○ *Comment:* First export for rubric evidence.

- **Tue Oct 14**

  - ○ Main: Add tests for JWT-protected routes

  - ○ Sub-item: Document export process in docs

  - ○ *Comment:* Instructions included in submission.

- **Wed Oct 15**

  - ○ Main: Add tests for role-based access

  - ○ Sub-item: Re-import `.sql` file to verify integrity

  - ○ *Comment:* Confirms DB transfer works.

- **Thu Oct 16**

  - ○ Main: Finalize test coverage for authentication

  - ○ Sub-item: Confirm SQL rubric checklist complete

  - ○ *Comment:* All rubric items satisfied.

Week 8 (Oct 20 – Oct 23) – Evaluation engine

- **Mon Oct 20** – Add sport-specific evaluation models

- **Tue Oct 21** – Build evaluator scoring logic

- **Wed Oct 22** – Add multi-sport criteria generator

- **Thu Oct 23** – Unit test evaluation logic

Week 9 (Oct 27 – Oct 30) – Watchlists

- **Mon Oct 27** – Add watchlist model + migration

- **Tue Oct 28** – Add watchlist routes

- **Wed Oct 29** – Connect watchlists ↔ players

- **Thu Oct 30** – Test watchlist features

Week 10 (Nov 3 – Nov 6) – Collaboration features

- **Mon Nov 3** – Add comments/notes model

- **Tue Nov 4** – Add routes for comments

- **Wed Nov 5** – Connect comments ↔ evaluations

- **Thu Nov 6** – Test collaboration endpoints

Week 11 (Nov 10 – Nov 13) – Analytics + exports

- **Mon Nov 10** – Add player averages endpoint

- **Tue Nov 11** – Add top-player leaderboard endpoint

- **Wed Nov 12** – Export DB as CSV/JSON

- **Thu Nov 13** – Test analytics & export

Week 12 (Nov 17 – Nov 20) – Final polish + submission

- **Mon Nov 17**

  - Main: Deployment testing

- ○ Sub-item (SQL 2): Export final `.sql` file

- ○ *Comment:* Required for rubric submission.

- **Tue Nov 18**

  - ○ Main: Complete README + Contributing docs

  - ○ Sub-item: Collect all screenshots of queries + table structures

  - ○ *Comment:* Evidence of SELECT, UPDATE, DELETE, joins.

- **Wed Nov 19**

  - ○ Main: Final DB review

  - ○ Sub-item: Confirm normalization (3NF)

  - ○ *Comment:* Verify DB fully optimized.

- **Thu Nov 20**

  - ○ Main: Final submission (GitHub + docs + SQL deliverables)

  - ○ Sub-item: Submit SQL rubric package with project

  - ○ *Comment:* Rubric + app ready for grading.