

Sprint 4					
ID	Requirement Description	Story Points	Priority	Sprint Number	
R18	Optimize Supabase authentication flow to support stable user login sessions and faster response times.	3	3	4	
R19	Enable storing and retrieving user-specific login details, preferences, and profile metadata within Supabase.	5	4	4	
R20	Enforce login-gated access for restricted features (chatbot, advanced comparisons, personalized dashboards).	5	4	4	
R21	Expand chatbot with more robust team and player comparison logic, using optimized datasets and AI reasoning.	3	5	4	
R22	Add conversational chat features including persistent chat context and improved user interaction flow.	5	5	4	
R23	Optimize Vercel frontend deployment (improved routing, reduced build size, faster loading).	3	5	4	
R24	Optimize sports API ingestion logic, reducing latency and improving data freshness + consistency.	5	4	4	
R25	Improve responsive UI across devices after Vercel optimizations (layout fixes, scaling improvements).	5	4	4	
R26	Integrate improved JWT/Supabase token-based authentication for secure access control to premium features.	5	5	4	
R27	Implement data integrity improvements for sports API pipeline (duplicate filtering, validation, and failover logic).	3	5	4	
R28	Enhance analytics module to capture user login activity, chatbot usage, and team comparison metrics.	3	5	4	
R29	Implement pagination/sorting/virtualization for faster browsing of player/team lists after API optimization.	3	5	4	
R30	Add API rate-limiting and throttling aligned with new optimized data ingestion flow.	3	5	4	
R31	Improve social sharing components to support updated comparison and chatbot output formats.	3	5	4	
R32	Finalize CI/CD automated pipeline and ensure smooth Vercel deployment flow with updated optimizations.	8	5	4	