

CS345 Final Project Proposal

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Whether you are a team statistician, professional hockey player, or simply a hockey enthusiast, access to key metrics are an important necessity. If you are a coach it is key to you and your team's success. Players, coaches, and owners need to have performance metrics available to them so that they can measure progress and make necessary adjustments to their team and to their game. In addition, an effectively organized database system could also have many benefits for recruiting staff in the off-season when looking into trading players. Hockey fans might also get use out of a sophisticated hockey database if they were interested in staying updated with the most current player stats and roster information. We are proposing to build a database that can meet the needs for storing necessary and valuable hockey data for any reputable professional hockey league like the National Hockey League.

Our proposed database will store player, owner, venue, statistical, game, sponsor, affiliate, salary, and equipment information. This will allow for flexible reporting by owners and league managers and will have great capacity for storage. Current and former player data will be accessible to the user which will enhance record keeping and promote a competitive atmosphere among players and alumni. The system will be flexible enough to accommodate changes required by the league as it is focusing on the future of professional hockey. Our database will effectively organize hockey information and will be easily accessible to the user and will be visually pleasing.