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# **Project Title**

# **Prime Selection System**

**Abstract**

I am developing an **automated program which will select a cricket team’s squad** so that players are elected only on the **basis of their talent and performance** with respect to the team’s requirement. The algorithm will give the player points depending on the **player’s current form, talent, batting order, overall statistics and other relevant factors**. The program will then create the best playing squad **according to the points given to the players**. It will make sure that all types of players are included in the squad as per requirement and the playing position of players. In addition to giving out the perfect playing 11, the program will also prepare its batting order. Program will consists of a Team class containing the profile information of a team, a Players super class along with sub-classes such as Bowler, Batsman, All-rounder. The Batsman class will further be extended as Opening Batsman, Top-Order Batsman, Middle-Order Batsman. The Bowler class will further be categorized as Spinner, Fast Pacer, Medium Pacer Bowler etc. All of the **players present in the relevant classes will then be ranked accordingly**. The system will make sure that the team contain sufficient amount of batsmen, bowlers and all-rounder. **All the data of players will be stored in the files depending on their ranking** order to make it easier to pick the best players. The rankings will be updated along with changes in the attributes of players.