

FIRST DESIGN DRAFT REPORT

SCRABBLE

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Design Explanation

GameManager: Its duty is to do initialization of the game environment and starts/finishes the game.

Referee: Its duty is to validate the words which players submit.

GameTiles: Its duty is to create tiles and words.

GamePlay: Its duty is to handle game-specific actions.

PlayerProfile: Its duty is to hold player's in-game information.

Patterns We Plan to Use

- **Observer**, in order to update score, board state, rack.
- **State**, in order to control game state.
- **Decorator**, in order to calculate player's score and obtain a word by decorating with letters.

