

| Charactar |
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| # boolean _over # boolean _fallen # Stack<String> _status # int _attraction # int _pendingLikeChange # ArrayList<TreeNode> _stage1 # ArrayList<TreeNode> _stage2 # ArrayList<TreeNode> _stage3 # ArrayList<TreeNode> _currentStage # String _descrip # String _name # Player _player # boolean _isRichard # int x # int y |
| + boolean isOver() + boolean hasFallen() + String getStatus() + int getAttraction() + ArrayList<TreeNode> getStage() + String getDescrip() + String getName() + boolean getIR() + boolean setOver(boolean isOver) + boolean setFallen(boolean hasFallen) + String changeStatus() + void friendify() + String maintainStatus(int oldAttraction) + int changeAttraction(int change) + boolean updateTree(TreeNode newHead) + int probeTree() + int probeTreeHelper(TreeNode node) |

*Note: Charactar has 3 subclasses: Jessica, Brad, and Richard. The only distinction between these subclasses is the differences in their constructors. We've set it up this way to avoid convoluted Charactar instantiations in Woo; this way, we can create Jessica, Brad, and Richard without having an overly complicated set of parameters in the constructor.

| Woo |
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| - Brad _brad - Jessica _jessica - Richard _richard - Player _player - boolean _gameOver - boolean _firstTime; |
| + void introduction() + void play() + static void type(String s) + static void delay (int milliseconds) + static String removePunctuation(String word) |

| Player |
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| - ArrayList<Charactar> _rank - private final ArrayList<Charactar> _order - String _name - boolean _hasFriend - boolean _dead |
| + ArrayList<Charactar> getRank() + void sortRank() + String getName() + String setName(String name) + boolean hasFriend() + boolean isDead() + boolean die() |

| abstract TreeNode |
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| # ArrayList<TreeNode> _children # int _likeChange # Charactar _character # Player _player |
| + abstract void interact() + ArrayList<Integer> getChildrenLikeChanges() + ArrayList<TreeNode> getChildren() + static void type(String s) + static void delay (int milliseconds) |

*Note: Each node in the storyline tree will be coded individually (a class for each node). It will extend TreeNode, and each will have a specialized interact() method (this is essentially a chatbox)

| Scanny |
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| - _response |
| + String toString() + static void type(String s) + static void delay (int milliseconds) |

*Note: Much of Scanny's functionality is contained in its constructor. It works similarly to Scanner but also gives the player the opportunity to ask a friend for advice before providing a response.