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# Introduction

This document describes the detailed design for the InsiderMemeBot (IMB) software.

## Overview

InsiderMemeBot (IMB) is a Reddit bot written in Python that tracks posts and responds to bot commands on r/InsiderMemeTrading. IMB utilizes the Reddit PRAW API to make network requests, and uses an Amazon Web Service (AWS) DynamoDB database to store and retrieve information about users, posts, scores, and rankings.

## Scope

This document applies to v2.0 of InsiderMemeBot. It covers the overall structure behind the bot software, and a detailed description of all implemented features.

## Definitions and Acronyms

TODO

# Software Design

## Overview

## Scripts

### main.py

### run\_tracker.py

## Class Diagrams

## Class Descriptions

### main.py

### InsiderMemeBot

### DataAccess

### Tracker

### Feature

### BaseScoringFeature

### ScoreboardFeature

### GiftFeature

## Processes/Multithreading

TODO

# Software Environment

## Environment Variables

## Heroku Hosting

## Local Development

# Source Control

# Development Environment Configuration

## Repository Checkout

## Amazon Web Services (AWS) DynamoDB

## oo

# Testing

## Testing