

```

package slashscraper.analyze;

import java.time.LocalDate;
import java.util.Iterator;
import java.util.Map;
import java.util.Map.Entry;
import java.util.concurrent.Callable;

import slashscraper.object.Comment;
import slashscraper.object.User;
import slashscraper.object.Word;

public class AnalyzeUser implements Callable<User> {

    private User user = null;

    public AnalyzeUser(User user) {
        this.user = user;
    }

    @Override
    public User call() throws Exception {

        // Join date, based on first comment/post
        LocalDate joinDate = LocalDate.now();

        // Temporary user comment attributes
        Comment comment = null;
        LocalDate date = null;

        // Process all user comments and posts
        while((comment = user.popComment()) != null) {

            // System.out.println("[STATUS] AnalyzeUser processsing comment");

            // Get date posted
            date = comment.getDatePosted();
            // Replace join date if earlier
            if(date.isBefore(joinDate)) {
                joinDate = date;
            }

            // System.out.println("[STATUS] Date: " + date.getDayOfWeek().getValue());

            // Increment post per day of the week
            user.addToPostRate(date.getDayOfWeek().getValue());

            // System.out.println("[STATUS] Added date");

            // Check if content exists
            if(comment.getContent().length() > 0) {
                // Create word rate iterator
                Iterator<Entry<String, Word>> itr = comment.getWordFrequency()
                    .entrySet().iterator();
                Map.Entry<String, Word> entry = null;
                // Add words and counts to word rate
                while(itr.hasNext()) {
                    // Get next entry
                    entry = itr.next();
                    // Add values to existing word bank
                    user.addWordUsed(entry.getValue().getWord(), entry.getValue().getCount());
                }
            }

            // Add karma elemnts to user average (upvotes - downvotes)
            user.addKarmaToAverage(comment.getUpvotes() - comment.getDownvotes());

            // Add comment sub to list of subs visited
            user.addVisitedSub(comment.getSubreddit());
        }

        // Set join date
        user.setJoinDate(joinDate);

        // Return processed user
        return this.user;
    }
}

```

