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| <<Entity>>  User |
| - name : String  -username : String  - friendsUsernames: List |
| +getName()  +getUsername() |

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| --- |
| <<Entity>> Mood (Abstract) |
| -Date:moodDate  -String: moodDescription  -color : Color |
| +setDescription(moodDescription : String)  +getDescription  +setDate(date : Date)  +getDate  +setPicture  +getPicture  +setLocation  +getLocation  +setMood  +getMood  +deleteMood |

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| --- |
| <<Boundary>>  UserLoginActivity |
| -usernameView : AutoCompleteTextView  -passwordView : EditText |
| -attemptLogin() |

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| <<Boundary>>  MainMenuActivity |
|  |
| +toActivity()  -signOut() |

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| --- |
| <<Boundary>>  MyFriendsActivity |
| +Friends: +ArrayList<User> |
|  |

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| --- |
| <<Boundary>>  EditMoodActivity |
|  |
| +editMood  +deleteMood  +Mood: Mood |

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| --- |
| <<Boundary>>  MoodMapActivity |
| -map : GoogleMap |
| +onMapReady(map : GoogleMap) |

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| --- |
| <<Boundary>> FriendProfileActivity |
| + User: User  +Moods: ArrayList<Mood> |
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| --- |
| <<Boundary>>  MyMoodsActivity |
| -moodAdapter : ArrayAdapter  -moodListView : ListView  -moods: |

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| --- |
| <<Boundary>>  NewUserActivity |
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| -uniqueName(String name)  -createUser(String name) |

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| --- |
| <<Control>>  DataControler |
| * Boolean : loggedIn |
| * verifyUserName(string UserName) * createUser(string UserName) * getMoods(string UserName,Boolean WordFilter,Boolean DateFilter,Boolean MoodFilter,string Mood) * grantFollowPermission(string User,string Follower) * searchForUsers(string SearchString) |

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| --- |
| <<Boundary>>  FindFriendsActivity |
|  |
| +searchForFriend |

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| --- |
| <<Boundary>> FriendRequestActivity |
| -ArrayList<Users> : request  -listView : requestList |
| -acceptFriend(User user, User friend)  -rejectFriend(User user, User friend) |