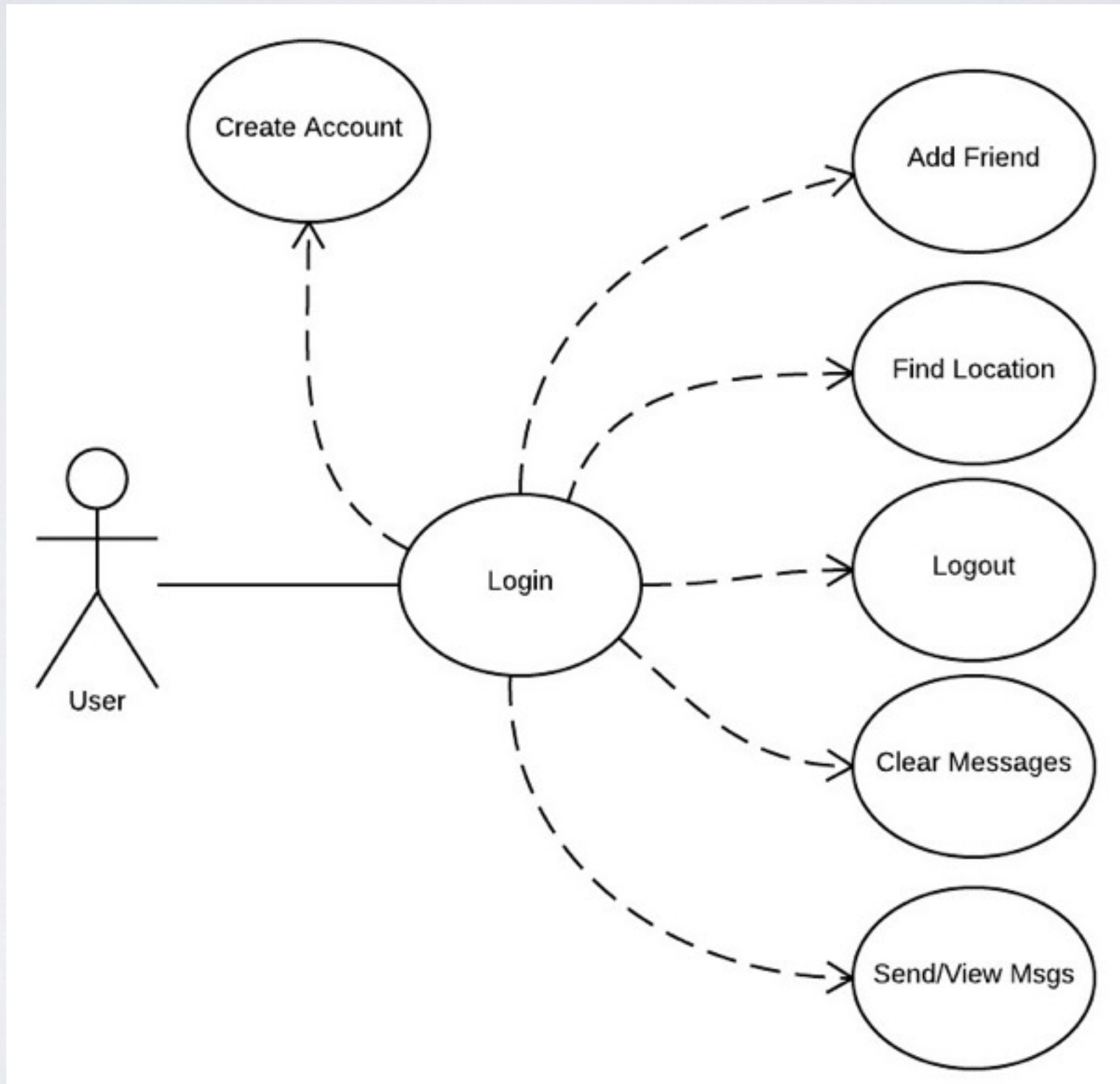# FRIENDSTER

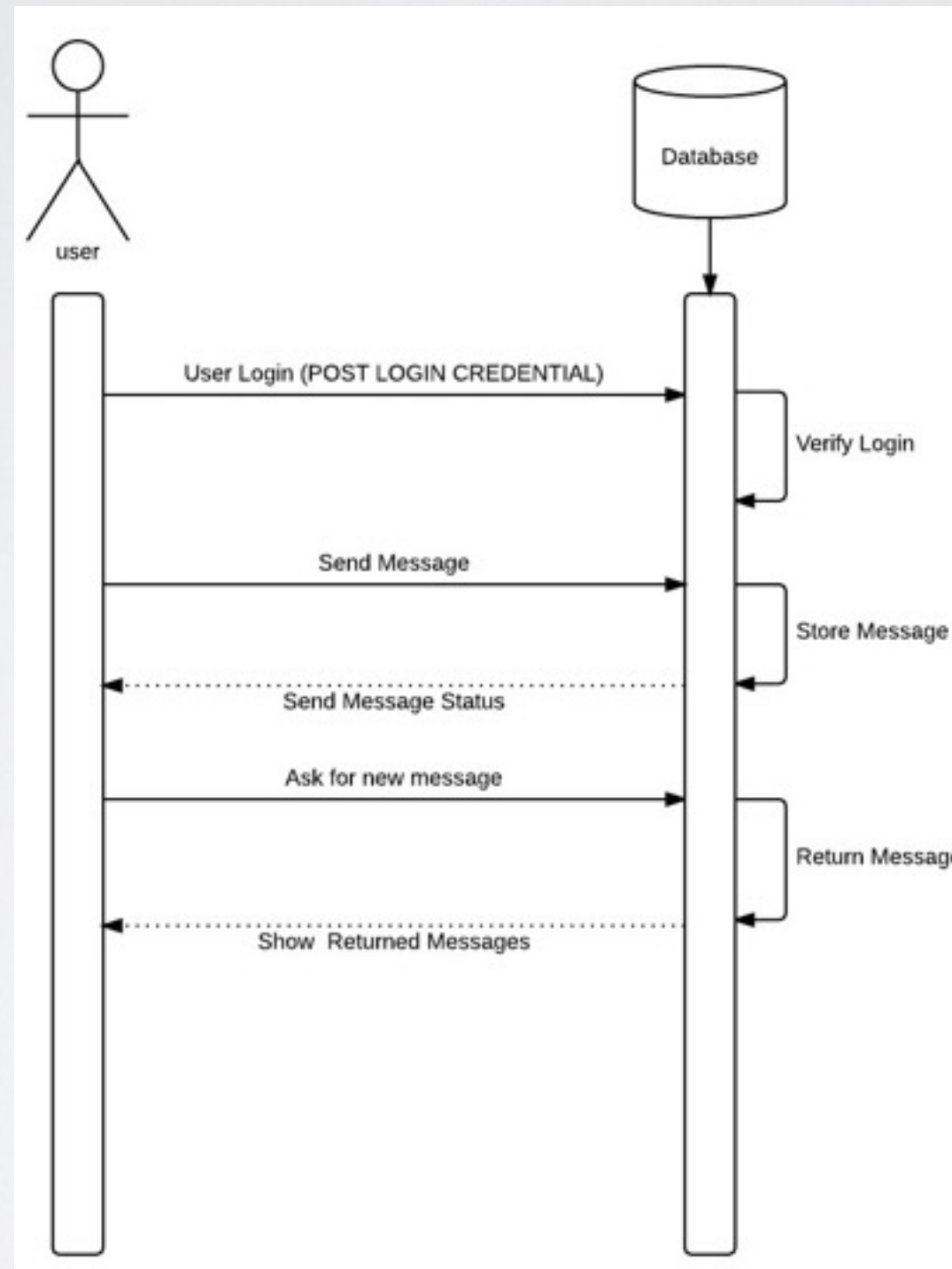By: Marckenson Civil, Anand Timaul & Dave Nandlall

WHAT IS FRIENDSTER?

- Friendster is a simple instant messaging client available on the web and Android.
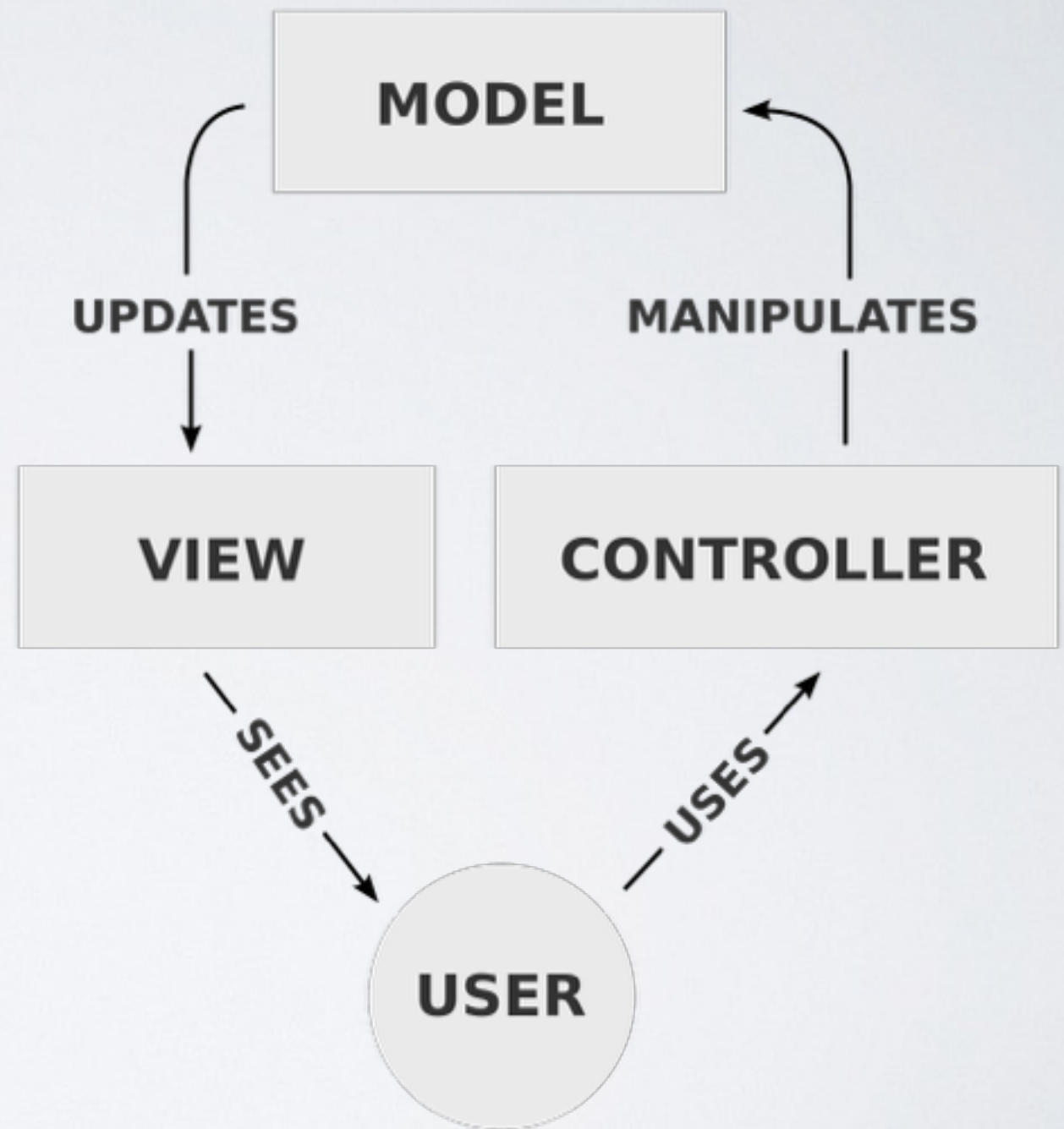
USE CASE DIAGRAM

SEQUENCE DIAGRAM

DESIGN PATTERN

- Model - MySQL database

- Controller - PHP scripts

- View - HTML elements

MAIN DRIVERS

- MySQL Database - main driver of the website and the android app.

- PHP Post - app/website uses the post method to send and receive messages from the database.

- jQuery/AJAX - used for real time message posting.

DATABASE TABLE - FRIENDS

User ID - holds the id of the user

Friends User ID - stores all of the friends user ids' that are online

DATABASE TABLE - MESSAGES

ID - holds the id of each message

User ID - holds the id of the recipient user id

Type - holds the message type which is 0 for incoming and 1 for outgoing

Claim Timestamp - time the receiver views the message

Message Text - content of the message

Date Timestamp - time the message was sent

Sender - the user id of the sender

DATABASE TABLE - USERS

ID - the unique identifier of the user

Online - display the login status of the user (0: offline) and (1: online)

Username - hold the username of the user

Active - determines if a user is an active customer

Name - holds the name of the user

Phone - hold the phone number of the user

OTHER COMPONENTS

- HTML/CSS - used to design style and format website.

- Javascript/jQuery - add defined behavior to web site elements

- Bootstrap framework - used to design components such as the navbar and login page

- PHP/MySQL - used mainly for message sending

- Java - Used for android application

- Google Maps API - used for location settings

WHAT WORKS

- Users can create an account

- Send messages with the app/website

- Receive messages from the app/website

- Add a friend given by a unique friend id

- Ability to check current location

SOME MISSING FEATURES

- Implementing group chats

- Alerts from nearby users with the app

- Receiving messages offline w/o network conn.

- Adding avatars for each user

- Ability to send MMS messages

SOURCES

- Homepage Layout - http://startbootstrap.com/template-overviews/freelancer/

- Bootstrap Navbar - http://getbootstrap.com/examples/navbar/

- Google Maps - https://developers.google.com/maps/tutorials/fundamentals/adding-a-google-map