Matthew Flickner

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Deliverable 1

Matthew Flickner wants build an application to help people manage their responsibilities within a group of friends. He wants to use it to make tasks like household chores easier and more convenient while holding each person accountable for their responsibilities. He needs a reliable database to support the application and store application and user data. Matt needs to store user information for login. There is also a need for keeping track of what users are in what groups and whom the users are friends with. He also needs to track what tasks are in what groups and which user is responsible for completing a given task. Tasks can also have deadlines for when they need to be completed by and users can get points for completing tasks. Each user has a their own points within a given group. When the task is completed, a new person responsible is assigned or the task is closed.

The following is an initial list of questions that the database for Matt’s application will need to answer:

* What groups is user John Smith a member of?
* What tasks are in the group “House Stuff”?
* Who is the person responsible for completing the task, “Empty the Dishwasher,” in the group, “House Stuff”?
* Is the “Wipe off the counters” a one-time task or a repeating task?
* How many points does user Logan Couture have allocated for completing the task “Take out the trash”?
* Does user Patrick Marleau have less or more points in the task “Take out the trash” than Logan Couture?
* Is Marshall Shady a friend of George Clooney?
* Who is in the group “Stuff to Do”?
* When does task “Clean Sink” in the group “Kitchen” need to be completed by?