Project 1 Part 2

1. Team

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2. UNI used to create the schema

- zw2497

3. Interesting queries

Display the number of comments for every question which have more than one comment

```
SELECT q.q_id AS questionid, q.title AS title, Count(*) AS comment_num
FROM comments AS c, question_belong_ask AS q
WHERE c.q_id = q.q_id
GROUP BY q.q_id, q.org_id
Having Count(*) > 0
ORDER BY q.q_id
```

Display all replies in piazza

```
SELECT us.name AS sourcename, cs.content AS sourcecontent, ut.name AS
targetname, ct.content AS targetcontent, q.title AS question
FROM users AS us, comments AS cs, reply AS r, comments AS ct, users AS ut,
question_belong_ask AS q
WHERE us.u_id = cs.creator_id AND ut.u_id = ct.creator_id AND cs.c_id =
r.source AND cs.q_id = r.source_qid AND ct.c_id = target AND ct.q_id =
target_qid AND r.source_qid = q.q_id
```

Display number of questions which has comments but still is unresolved

```
select count(distinct q.q_id)
from question_belong_ask AS q
where q.q_id in(SELECT q.q_id AS questionid
FROM comments AS c, question_belong_ask AS q
WHERE c.q_id = q.q_id and q.solved_type = 'unresolved')
```

4. Descriptions of any changes

- Modified the comment table so that it has a partial key, primary key (c_id, p_id), because it is a weak entity of questions.
- Modified the reply table to make sure comment reply to comment and both of them belongs to the same question
- Separated multiple relations between user and organization
- User can enroll in any organization as an instructor or a student.
- Deleted up number and down number, because it can be calculated from vote table
- Modified Tag table, add primary key t_id