

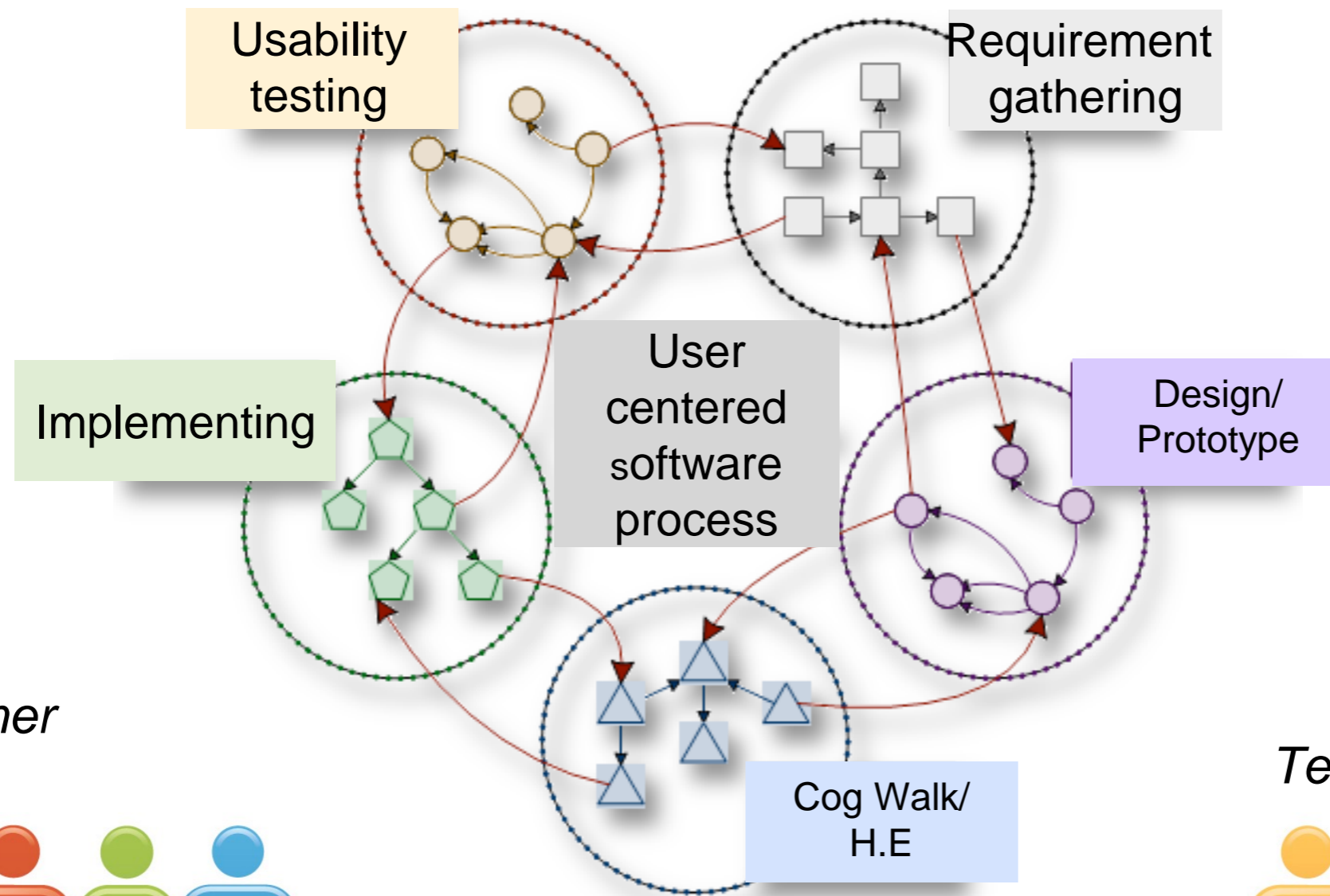
# Working Together

Collaboration of CS4760, HU4642, CS5760

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# Collaborations in Software Development



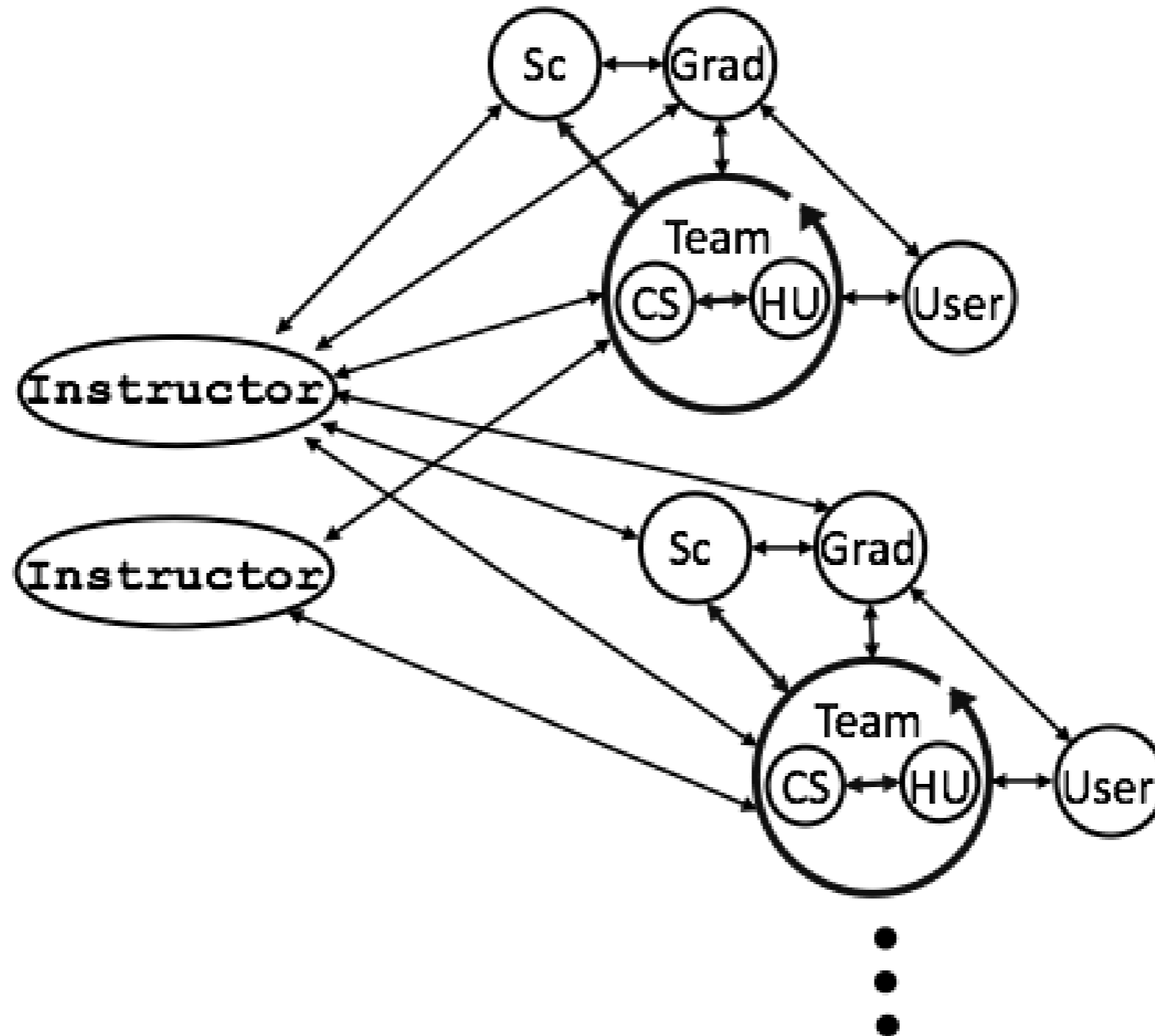
*Project manager*  
*Product owner*  
*Client*  
*User*



*User experience designer*  
*Software engineer*  
*Technical communicator*  
*Usability tester*



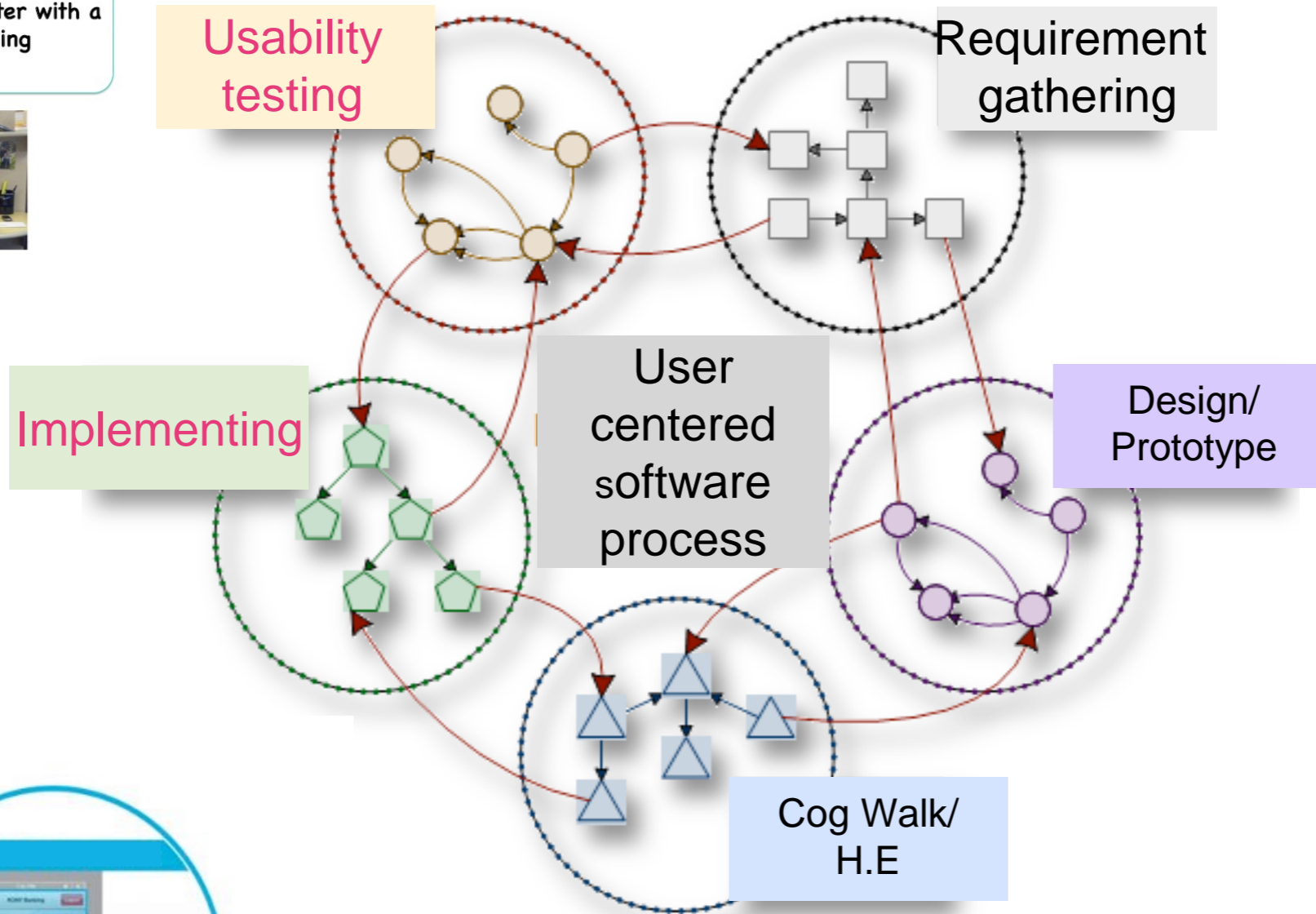
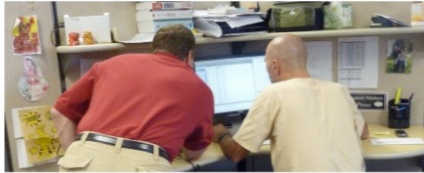
# Course Stakeholder Network



# Problems

What programmers say:

We can communicate so much better with a tester who understands programming concepts



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Team conflicts

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CS students

STC students

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Interpersonal  
conflicts

1. Need more communication.
2. Need a leader.
3. Some of the teammates did not work a lot.
4. Split the work more evenly.
5. Develop more defined roles for each team member.

1. Need more communication.
2. Need a leader.
3. Keep the CS and STC students on the same page.
4. CS students did not see the importance of documents from STC students
5. CS students would not show up or speak in the meetings.
6. The clash of personalities between CS and STC members.

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Task conflicts

1. Better delegation of tasks.
2. More time to apply changes from feedback.
3. More time to learn Android development.
4. Earlier development.
5. Disagreement on app design.

1. Lack of clear expectations on what was to be used in the help documentation.
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# What is a team?

- Social entities composed of members with high task interdependency and shared common goals (Dyer, 1984).
- A group of people with different specialties linked in a common purpose.

Common purpose/shared goals:

- Develop app
- Complete the course

- Teamwork: team members integrate and share information, coordinate and cooperate as task demands shift so as to complete their mission.

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## Shared Goals:

- Develop the app
- Complete the course

- Teamwork: team members integrate and share information, coordinate and cooperate as task demands shift so as to complete their mission.

# What are the factors that influence your team collaboration?

- Time constraint
- Communication
- Task coordination
- Awareness of the contribution from the other discipline
- Personalities

# Team Building Techniques

- Getting to know each other
- Create shared/common goals
- Build a team structure
- Develop a team process

## Getting to know each other:

- Know your team member's name
- Know what each person is good at
- Find a role for yourself and others in the team



## Shared/Common Goals:

- Project goal: what are you ultimately trying to accomplish?
- Course goal: get an A or comfortable workload?
- Write a team vision statement

# Building a Team Structure

Smaller team have team leaders.

Team leader roles:

- Organize and lead meetings
- Split the project into tasks
- Monitor the project and Keep team members on track
- Monitor the team process and improve the process

# Team Processes:

- Communication: Meetings & Emails
  - Email: subject line, responsiveness
  - Meeting: Define meeting goals
  - Tasking more appropriate during meetings
  - Difficulties and seeking help
  - Work jams for getting the project done.
- Monitoring Progress
  - Development timeline
  - Burnt down chart

# Team Process

- Communication: Meetings & Emails
  - Email subject line
  - Meeting goals
  - Tasking
  - Difficulties
- Progress
  - Burnt down chart
  - Development timeline

