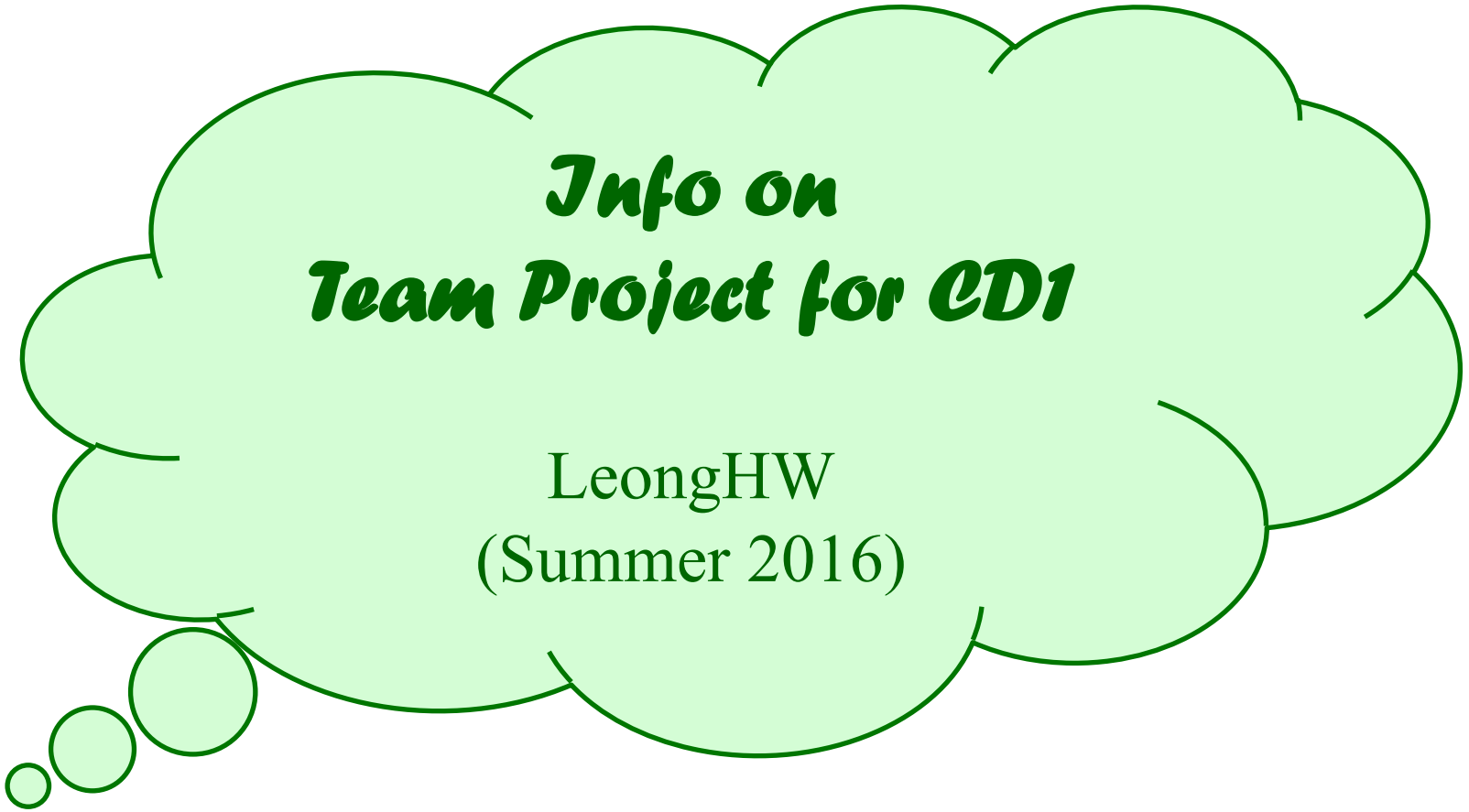
CD1: Project

NUS National University of Singapore
School of Computing



Project Details:

Three Steps:

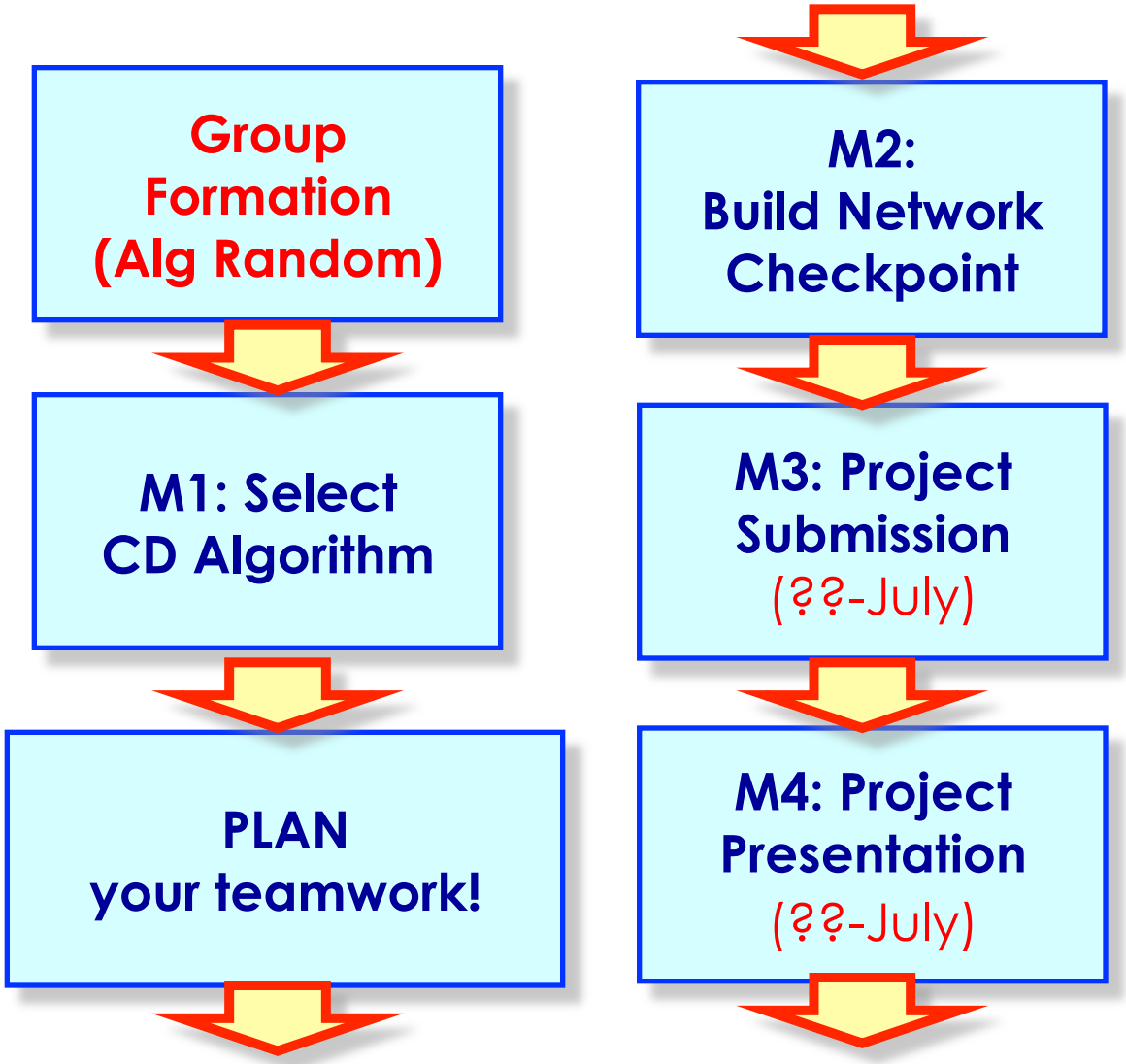
- Build interaction network from Data;
- Compute communities in network;
- Visualize and Analyze communities;

Team Project for CD1

Team Project (3 per team)	Working as A TEAM	PLAN…
Do Project Write Report Present Project	Identify Strengths and Weaknesses Identify Project Risks	Assign Roles Divide Tasks Communicate Progress Help Each Other

When you FAIL to PLAN,
Then you PLAN to FAIL.

Project Milestones



Good Teamwork:
1+1 + 1 > 3

BAD Teamwork:
1 +1 + 1 < 1

Project Groups

- **Project Groups (3 students per group)**
  - **Done – check IVLE (“Class & Groups”**
  - **Algorithm used: random assignment**
  - **≤ 1 person with no background per group**
- **To all Project Groups:**
  - **Make new friends, bond together,**
  - **PLAN your project**
- **Info on data is coming soon…**

Project Data:

- **Info on project data is coming soon…**

CD Algorithms:

- Single-Link cluster algorithm
- Gervin-Newman algorithm
- MCL (Markov Clustering)
- CPM (Clique Percolation Method)

More info on algorithms *coming soon*

Visualization of Communities…

- **Many visualization software around**
  - **Go search online for it**

- **We use Pals**
  - **Written by Yao Yujian**
  - **As CS3230R project**
    - ***CS3230 = Analysis of Algorithms 4Credit***
    - ***CS3230R = 1Credit, Additional work***

Deliverables (M3, M4)

- **Project Zip File (M3)**
  - **Project Report (5-8 pages)**
  - **Reference material, papers, websites, videos**
  - **Software, Data, Results,**
  - **Upload to IVLE folder Project-M3**
- **Presentation (M4)**
  - **?20 minutes presentation**
  - **?5 minutes Q&A**

Thank you.

Q & A

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