Final Project Announcement
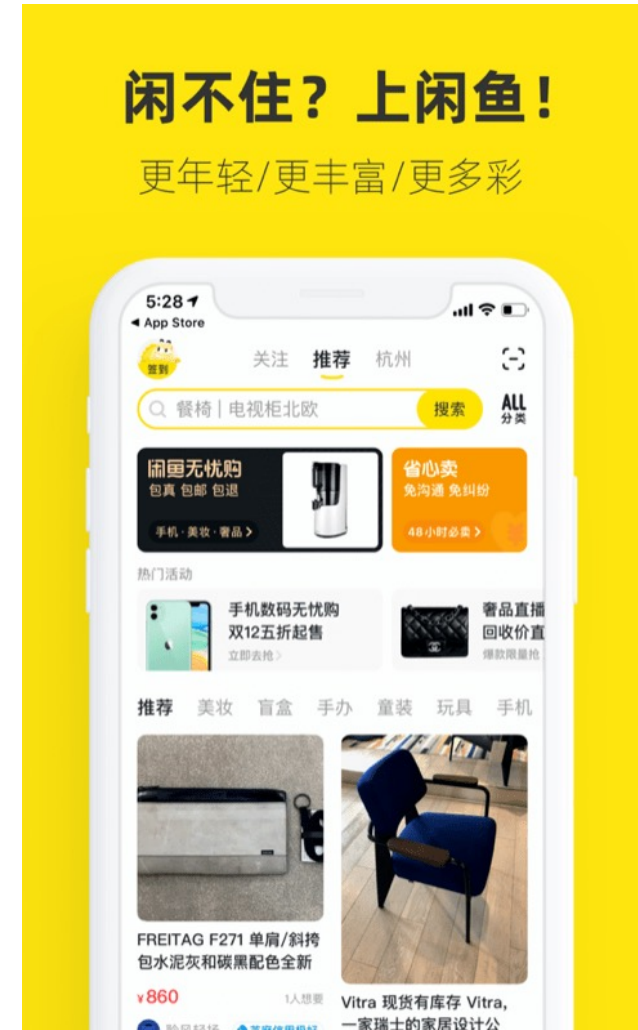
Project Logistics

- 3 students per team

- 3 jobs
  - Requirement (R)
  - Development (D)
  - Validation (V)

- Programming language: Python + QT (Desktop Application).

- All main features MUST be developed on your own instead of reusing the library directly.

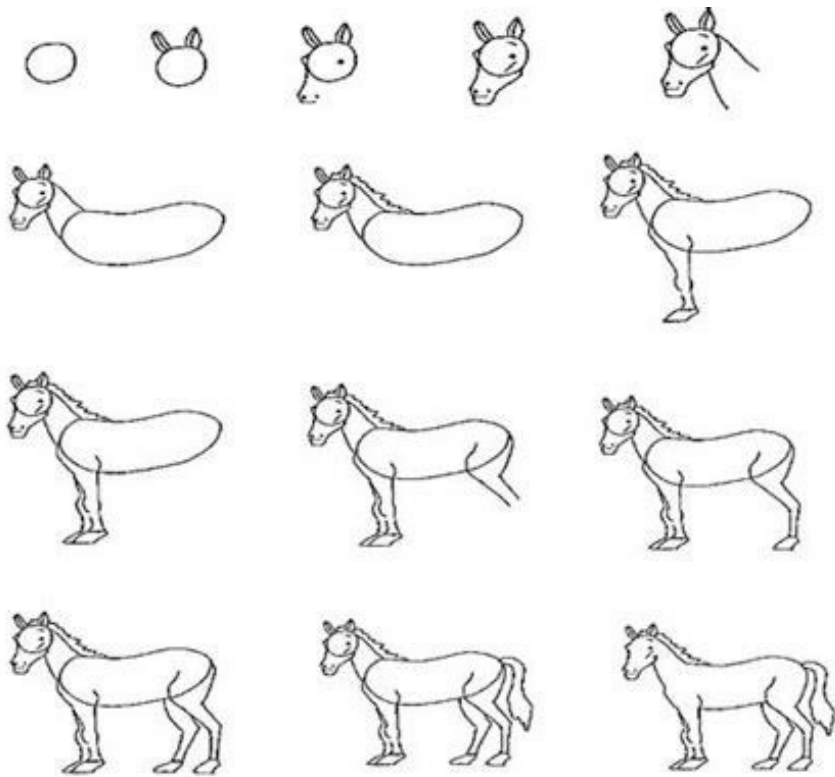# Second-hand Shopping System

- **Buyer**
  - Upload products
  - Edit products
  - Add products
  - Comments
  - ....

- **Seller**
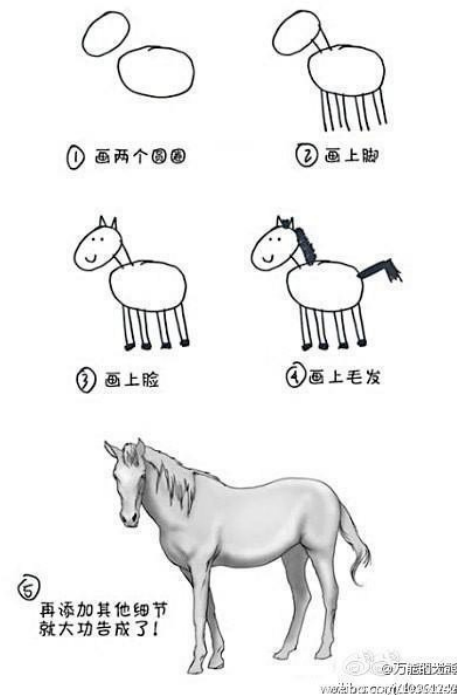 - View products
  - Order products
  - ....

- **Admin**

Iterative Software Development

- Develop "validatable" artifacts early

怎样画马

① 画两个圆圈　　② 画上脚
③ 画上脸　　④ 画上毛发
⑤ 再添加其他细节就大功告成了！

Requirement

- Requirement document
- UML diagrams
  - Collaborate with development guy/gal
- Model of system environment for validation
  - Collaborate with validation guy/gal
- Traceability report
  - Collaborate with both development and validation
  - Focus on requirement

Development

- Detailed UML diagrams reflecting actual design
  - Collaborate with requirement guy/gal
- Implementation of the design
- Traceability report
  - Collaborate with both requirement and validation
  - Focus on specification, and code

Validation

- Validation planning and execution
- Risk Management
- Testing
- Traceability

Project Grading

- Overall Product (70%+10%)
  - Functional requirements (40%)
  - Non-functional requirements (15%)
  - Validation (15%)
  - Extra Credits (10%)

- Documentation (30%)
  - Requirement Specification (10%)
  - Design Specification (10%)
  - Validation (10%)

Checkpoints and Progression

- Team meeting every week
  - Report on what has been done and plan for next week
  - Part of the demonstration of "effort"

- 3 Customer Consultations
  - Chance to demonstrate initial results and ask for feedback;
  - Please take them seriously!

Working as a team

- Team up with someone you trust

- You are responsible for some task doesn't mean you "only" need to complete the task

- "Make other's job easier"

- "The free rider" will get severe penalties

You may complain about …

- "The requirements are too vague!"
  - It's not a bug, it's a feature!

- "I did my part, why do I get penalized for what others didn't do?"
  - Because you are on the same, that's why.

- Please do not ask
  - "Can we get/lose points if we implement/not implement a feature?" during office hour.

Job Allocation

- Finish job allocation at the following link by Fri Oct 8th
  - https://docs.qq.com/sheet/DYVlYVlRZZFN3TUNF

Name1	Name 2	Name 3

- Changes in team composition must be formally announced to the instructor team via email.

Group meetings

- Weekly meetings (Required)

- Meeting report
  - For each group member, summarize works done in the previous week
  - Summary of the meeting
  - For each group member, propose action items for the next week
  - Due every Fri at the end of day, starting from week 5 (The week after National Day Holiday)

- This is an important traceability document

- Please be specific
  - "continue working on project" does not work