
Project 1

Survey on a Computer System or a Processor

Description

◆ Do a survey on a computer system or a processor:

• Processors:

- a modern general-purpose microprocessor: such as the latest Intel, AMD multi-core processor, etc.
- a classic microprocessor: such as Intel-8086, Intel Pentium, Motorola-68000, MIPS R10K, etc.
- an embedded microprocessor: such as ARM, PowerPC, etc.
- Other types of special-purpose processors: such as GPUs (NVIDIA, ATI), DPSs, etc.

• Computer System:

- Supercomputers, such as Cray-1, Tian He, etc.
- Servers
- Personal Computers (PCs)
- Embedded Systems, System-on-Chip (SoC)
- Game Console (Xbox one, PS4)

Description

- ◆ **15 mins presentation in Class.**
 - **10 mins presentation + 5 mins Q & A.**
- ◆ **Working in groups**
 - **3 students in a group. (team work required)**
- ◆ **Prepare your slides and any other presentation materials you need.**
- ◆ **Submit a short report after your presentation (based on your slides).**