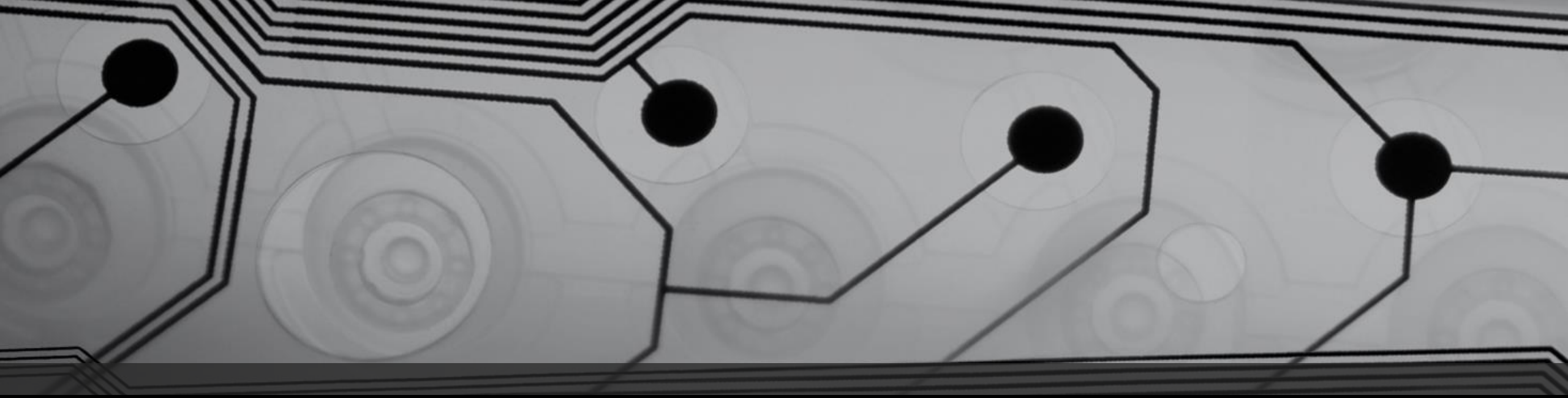


CMSC 131

Summer 2018

Reminder: Please put away your laptops

- Sorry… no electronic devices in lecture
- Please DO bring a laptop to discussion sessions (labs)

Reminder: Class webpage

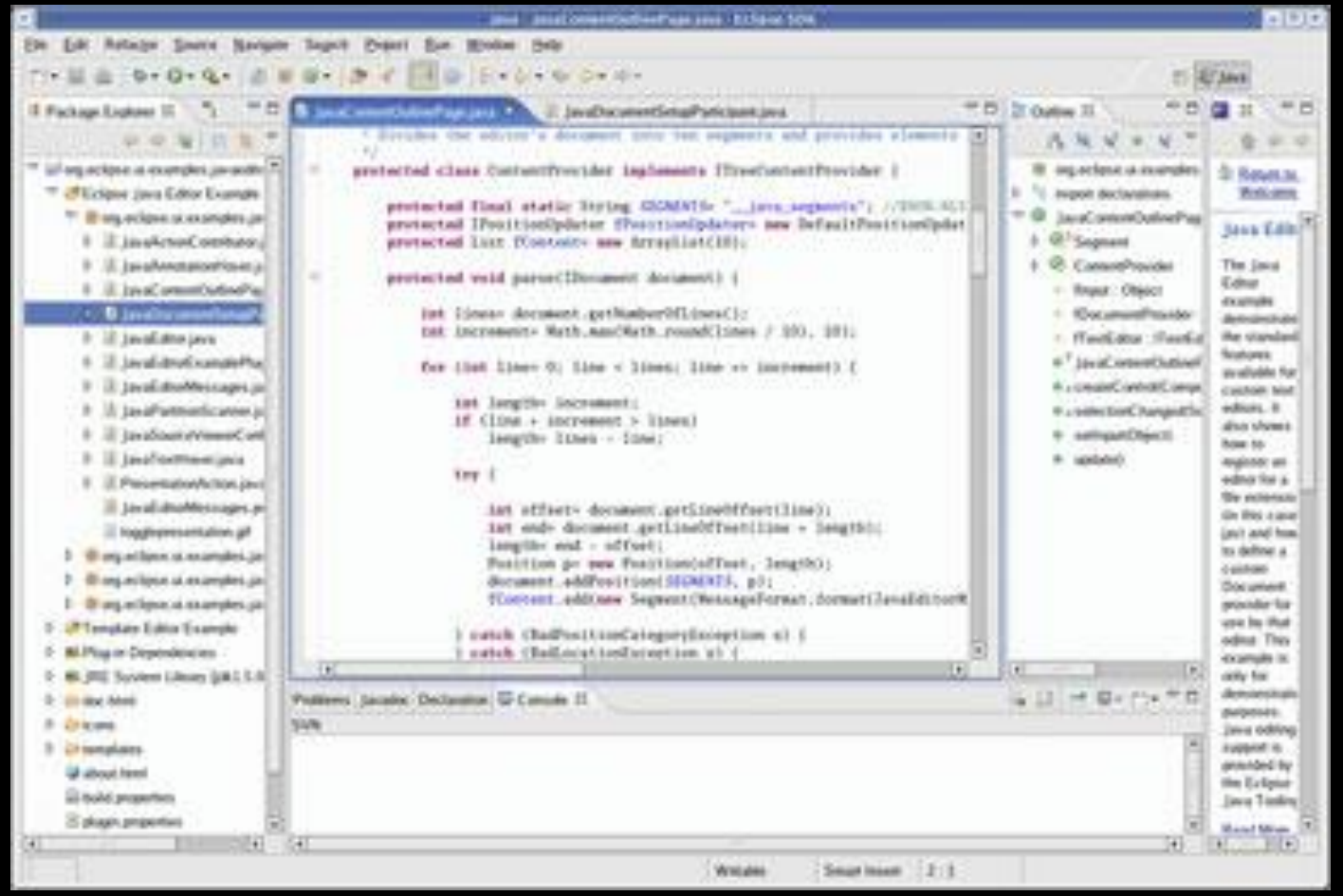
- Look over all of it (especially syllabus)
- Authentication for “study questions”

- Do the survey (link in class announcements)!

Reminder: Install Eclipse

- Instructions on class webpage
- First project (Hello World) has been posted
- If you're stuck, come to office hours

Eclipse (a Modern IDE)



Eclipse Demo:

- Installing Eclipse
- Connecting to your CVS repository
- “Checking Out” a project
- Working on the project
- Submitting the project
- Test results on the server

Computer Systems Overview (First Hardware)

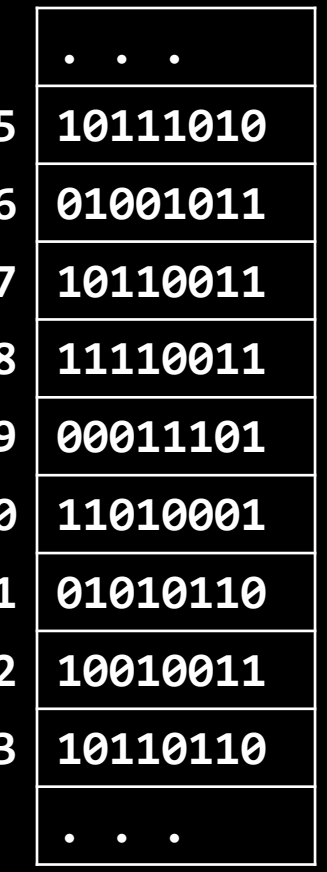
- CPU
- RAM (more detail on next slide)
- Secondary Memory devices
- I/O devices

Random Access Memory (RAM)

- What's a bit?
- What's a byte?

- Mental picture (abstraction) of RAM:
- Each cell has an "address"

- How many combinations can be stored in one "cell"?
- More generally, how many combinations can be represented by k bits?



Units of Storage Capacity

- kilobyte
- megabyte
- gigabyte
- terabyte