# CSE 341, Spring 2006
# Lecture 26

A Design Exercise

# A Page Layout Problem

- Ordered list of widgets (char strings, boxes, radio groups…)

- Each has width, height

## Welcome to PayBuddy

Please enter

Name: _____

SSN: _____

Gender:  ◯ M  ◯ F

How do you expect to use us?

☐ Buy lunch

☐ Buy books

☐ Pay Gambling debts

# A Page Layout Problem

- Treat as ordered sequence of rectangles
- Fill left-to-right, top-to-bottom
- Start next line if next rectangle doesn't fit on current line
- Assume functions drawText(x,y,…) drawRadio(x,y,…), …

# Your Group's Task

1. At a high level, what's the layout algorithm

2. How would you store the data

3. How would you organize the code

4. Finally, sketch implementation