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