Agenda

● Motivation
● Existing Solution and Related Work
● Our Solution
  ○ Envisioned Use
  ○ Advantages
  ○ Disadvantages
● Conclusion
**Motivation**

- Instances of cervical vertebrae diseases with increase in desk work.
- It is our problem. We don’t want to have sore back anymore.
Existing Solutions

Pressure Detection on the chair

A Sitting Posture Surveillance System Based on Image Processing Technology
Our Solution

- Use Kinect
  - Depth Information
  - Preprocessing
- Intelligence in the cloud
  - Big Data
  - More Accurate
- Statistical Report
  - Help and Notify users

Disadvantages:

- More expensive
- Bulky
- Calibrating Kinect
Architecture
Envisioned Uses

This is a good app for CSE students and general office use.
Project Timeline

Week 4:
Literature Survey, Get Device, Landing Ideas & Proposal

Week 5:

Week 6:
Javascript library, C# Web Programming, Midterm Presentation

Week 7:
Implementation on client & server

Week 8:
Integration with web application

Week 9:
Finalizing and debugs

Week 10:
Evaluation
Thank you!