Psychic
Peek Around Corners with Glass

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**Introduction**

Peek around corners with google glass.
- Enable user to see blind area of his movement direction -- display real-time video stream on google glass screen.
- According to user’s location and behavior automatically select and activate different webcam.

**System Design**

The Real Time Streaming Protocol (RTSP) is a network control protocol designed for systems to control streaming media server and used for establishing and controlling media sessions between end points.

**Webcam Selection**

Apply graph BFS algorithm to search all the adjunct vertices, then based on the orientation value, activate the corresponding webcam.

**Position Tracking**

- **Step Counter Module**
  - Apply orientation sensor in Android device to detect step (orientation change when leg lift).
- **Direction Module**
  - Apply accelerometer sensor combined with magnetic filed sensor to determine user’s direction.
  - Algorithm Reference: Google build-in app --- Compass

**Result**