MyGesture

Group No. 5

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Problem Statement

My Gesture → Wi-Fi → Server

- Controlling a desktop/laptop screen by an Android device through a wireless medium.

- MyGesture is an Android application which connects to the desktop/laptop to be controlled via Wi-Fi and provides many functionalities to control the screen like controlling mouse, keyboard, and it provides several touch gestures to do necessary tasks.

Challenges

○ **Mouse Sensitivity:** This was the main problem faced, because we needed to map a higher resolution screen to a lower resolution space on the Android screen.

○ **Two Finger Gestures:** Since we have many two finger gestures, differentiating between them was a major challenge.

○ **Drawing gestures:** This posed a challenge because in case of a gesture which was some figure, it became ambiguous for us to decipher whether the user intended to move the mouse in that way or he wanted the assigned action for that gesture to invoke.

Key Contributions

- **Gestures:** A mix of all the major features integrated in a single application like mouse, keyboard, music player, slide shows, scroll, zoom, task manager, screenshots, and many others

- **Wireless connection:** Detecting several available servers

- **Multi touch gestures:** These are very uncommon for a normal system, so using this application one can get a feel of using multi-touch gadgets

References

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