SAVEN TECHNOLOGIES INC.

A Mobile client application in Google Android, for insurance claims workflow process.

Tool provides assistance to house damage measurement system, uploads three data elements- pitch, scale and captured image, and transfers data to the estimation programs residing at a remote server, thereby helping claims workflow to determine the precise dimensions of a home's damage details. Developed with open source tools: **Android SDK 1.1_r1.** This revolutionary application utilizes advanced APIs of the SDK like **android. hardware** and **android. location** to achieve camera capture and driving directions.

LOGGING IN and GETTING THE PROJECT LIST

- A valid user can login from his Android phone and get the projects assigned to him. These projects get displayed in an expandable list fashion.

- Each project is provided with three utilities as three icons- Driving directions from current location, Estimation form to upload, and Image Download.

UPLOADING THE DATA

- User enters 3 required data fields Pitch, Scale & Image Capture in the phone application

- Pitch (with Spinner), Scale parameters using the Phone keyboard and screen stencil

- 'Image Capture' button click will lead to a camera preview. With the satisfied preview, user can click on the device camera button to take the picture.

- The picture sits in the SD card at a predetermined location. And the screen goes back to the Estimation screen.

- User can upload all the data elements to the remote server where the estimation programs reside.

- During this upload process, the image is automatically appended along with pitch and scale values.

- Utilized Apache HTTP Client to connect to services over HTTP or HTTPS and exchange xml data with services.

- Utilized background threads to perform long running network IO operations, to optimize UI thread performance.

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