

TECNOLOGIE DIGITALI CREAZIONE DI UNA APP PER SMARTPHONE CON APPINVENTOR

<http://ai2.appinventor.mit.edu>

VESTE GRAFICA

The screenshot displays the App Inventor web interface for creating a mobile application. The main workspace is titled 'Contapassi' and shows a preview of a smartphone app. The app's interface includes a blue header with the title 'Contapassi', a central image of a person running, and three buttons at the bottom labeled 'Start', 'Stop', and 'Reset'. The status bar at the top of the phone shows the time as 12:30.

The interface is divided into several panels:

- Palette:** A sidebar on the left containing a search bar and a list of UI components categorized by type: User Interface (Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, Switch, TextBox, TimePicker, WebViewer), Layout, Media, Drawing and Animation, Maps, Charts, Sensors, and Social.
- Viewer:** The central area showing the app preview. It includes settings for 'Phone size (505,320)', 'Android 5+ Devices (Android Material)', and a checkbox for 'Display hidden components in Viewer'. Below the phone preview, a section for 'Non-visible components' lists 'Pedometer1'.
- Components:** A panel on the right showing a tree view of the app's components: Screen1, Image1, start, stop, reset, steps, steps_left, distance, calories, and Pedometer1. It includes 'Rename' and 'Delete' buttons.
- Properties:** A panel on the far right showing the configuration options for the selected 'Screen1' component, such as 'AboutScreen', 'AccentColor', 'AlignHorizontal', 'AlignVertical', 'AppName', 'BackgroundColor', 'BackgroundImage', 'BigDefaultText', 'BlocksToolkit', 'CloseScreenAnimation', 'DefaultFileScope', 'HighContrast', 'Icon', 'OpenScreenAnimation', and 'PrimaryColor'.

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PROGRAMMAZIONE A BLOCCHI

The image shows a screenshot of the App Inventor code editor with several blocks of code:

- when start .Click**: do call Pedometer1 .Start
- when stop .Click**: do call Pedometer1 .Stop
- when reset .Click**: do call Pedometer1 .Reset; set steps .Text to "Steps: "; set steps left .Text to "Steps to reach 10000: "; set distance .Text to "Distance: "; set calories .Text to "Calories: "
- initialize global total to 10000**: A global variable block.
- when Pedometer1 .WalkStep**: do walkSteps distance; set steps .Text to join "Steps: " and get walkSteps; set global total to get global total - 1; set steps left .Text to join "Steps to reach 10000: " and get global total; set distance .Text to join "Distance: " and get distance; set calories .Text to join "Calories: " and get walkSteps × 0.04144.

Prova la tua App con MIT Companion

<https://play.google.com/store/apps/details?id=edu.mit.appinventor.aicompanion3&hl=it&gl=US> (Android)

<https://apps.apple.com/us/app/mit-app-inventor/id1422709355> (iOS)