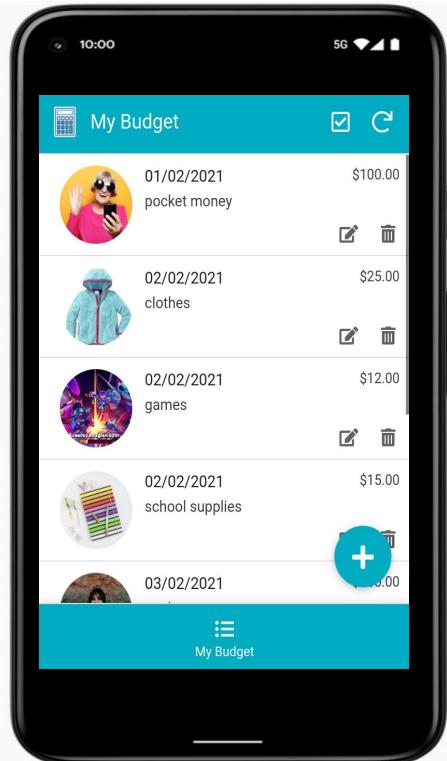


Building a mobile app with AppSheet for budget tracking in 10 minutes

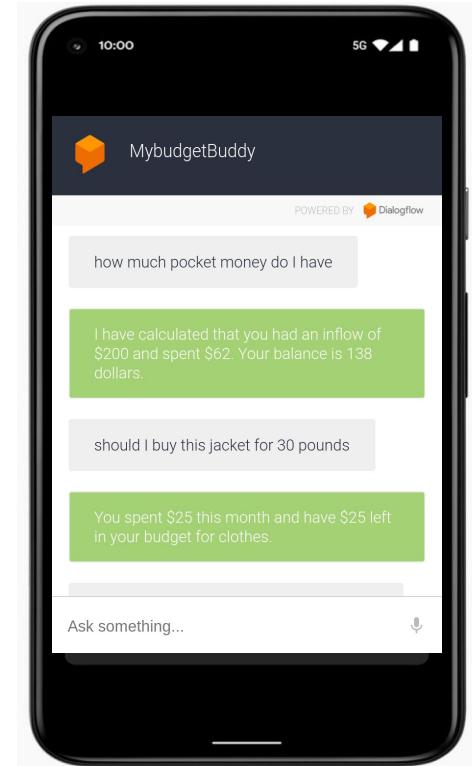
You are here!

Build a mobile app to store your money inflow and your spendings, where you can also upload pictures and take notes.



What is next?

Build a chatbot to get virtual assistance from **your budget buddy** during shopping!



No-code Application Development with AppSheet



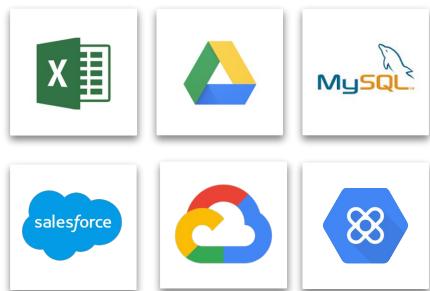
What is AppSheet?

AppSheet is a no-code platform that enables everyone to develop and launch applications at scale



AppSheet enables anyone to create apps fast with no-code

1. Connect your data



2. Customize your app



3. Deploy your app



What AppSheet Applications Can Do



Capture Images



Log Locations



Scan Barcodes, QR
Codes & NFC Tags



Work Offline



Deliver Notifications



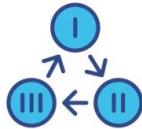
Install Across
Devices



Accept Signatures



Generate Reports



Apply Logic

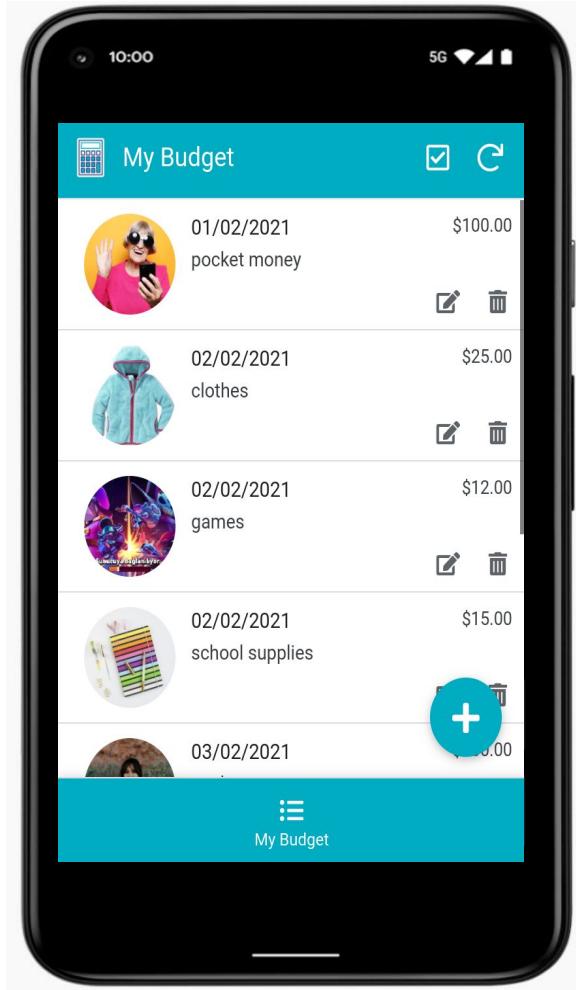


Build Dashboards

How to build a mobile app in less than 10 minutes?



Let's see how *the budget app* that we will build together will look like!



Step#0 Go to appsheet.com page and click “Start for free”.

The screenshot shows the homepage of the AppSheet website. At the top, there is a navigation bar with links: How to create an app, Platform, Pricing, Sample apps, Enterprise, Solutions, Blog, Login, and a prominent blue "Start for free" button. Below the navigation bar, the main heading reads "The intelligent no-code platform" followed by the subtext "Create apps to transform your workplace." There is another "Start for free" button. Three callout boxes highlight features: "No-Code" (Anyone on your team can make apps.), "Agile" (Create and deploy multi-platform apps in real-time), and "Powerful" (Deliver a rich user experience with a robust feature set). A large smartphone icon on the right displays a sample app interface showing various national parks like Acadia, American Samoa, Arches, Badlands, Big Bend, Biscayne, Black Canyon of the Gunnison, and Bryce Canyon.

AppSheet

How to create an app Platform Pricing Sample apps Enterprise Solutions Blog Login Start for free

The intelligent no-code platform

Create apps to transform your workplace.

Start for free

No-Code

Agile

Powerful

Start for free

Acadia
Maine

American Samoa
American Samoa

Arches
Utah

Badlands
South Dakota

Big Bend
Texas

Biscayne
Florida

Black Canyon of the Gunnison
Colorado

Bryce Canyon
Utah

List Photo Backdrop Large

Step#1 Select Google Sheets and authorize your Google account to work with AppSheet.

[How to create an app](#)[Platform](#)[Pricing](#)[Sample apps](#)[Enterprise](#)[Solutions](#)[Blog](#)[Login](#)[Start for free](#)

Start with your data

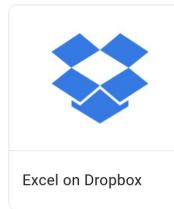
AppSheet connects through your favorite cloud storage provider. Click on one to get started. You can add databases and other data sources after you create your account.



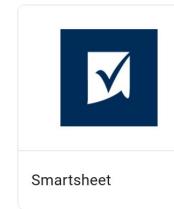
Google Sheets and Forms



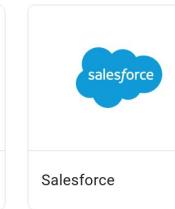
Excel on Office365



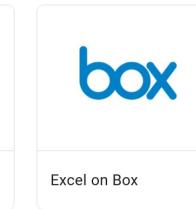
Excel on Dropbox



Smartsheet



Salesforce



Excel on Box

AppSheet accesses ONLY the files/data you choose.
Your apps are accessible ONLY to users you choose.
Users can access your data ONLY through your apps.

By signing in, you agree to our [terms of service](#)

Sign in with Google



AppSheet wants to access your Google Account

appstuba@gmail.com

This will allow **AppSheet** to:

- See, edit, create and delete all of your Google Drive files [\(i\)](#)
- See, edit, create and delete your spreadsheets in Google Drive [\(i\)](#)

Make sure that you trust AppSheet

You may be sharing sensitive info with this site or app. Find out how AppSheet will handle your data by reviewing its [terms of service](#) and [privacy policies](#). You can always see or remove access in your [Google Account](#).

[Find out about the risks](#)

[Cancel](#)

[Allow](#)

Step#2 Create a [Google Sheets](#) document and type the names of the columns that you will use in your app.

- Date
 - Type
 - Category
 - Item
 - Amount
 - Category Limit
 - Image
 - Notes

Step#3 Select AppSheet under Tools and choose create an app.

The screenshot shows a Google Sheets spreadsheet titled "mybudgetbuddy". The spreadsheet has a single sheet with columns labeled "Date", "Type", and "Category". The "Tools" menu is open, and the "AppSheet" option is selected, opening a submenu. The submenu items are: "Create an app" (which is highlighted with a yellow box), "Script editor", "View sample apps", "Macros", "Learn how to create apps", "Spelling", and "Enable autocomplete".

mybudgetbuddy

File Edit View Insert Format Data

A21

	Date	Type	Category	H	I	J	K
1							
2							
3							
4							
5							
6							
7							
8							

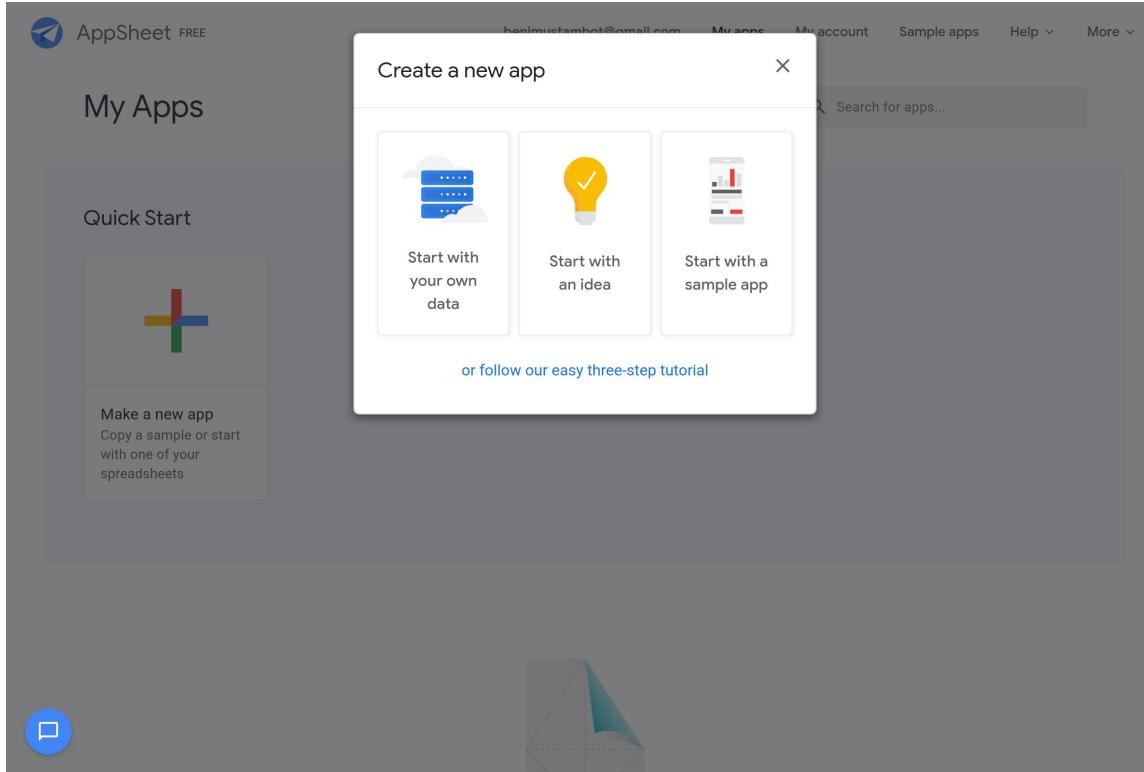
Tools Add-ons Help Last edit was 3 minutes ago

Create a form

AppSheet

- Create an app
- Script editor
- View sample apps
- Macros
- Learn how to create apps
- Spelling
- Enable autocomplete

Step#4 Start with your own data in AppSheet and select your Sheets file. Wait until the initial version of the app is created automatically.



Step#5 Customize your app in AppSheet and Save.

Data tab: Change column types

Tables **Columns** Slices User Settings

Budget
10 columns:
 RowNumber Date

[View Table](#) [Add Virtual Column](#) [Regenerate Structure](#)

NAME	TYPE
_RowNumber	Number
Date	Date
Type	Enum
Category	Enum
Item	Text
Amount	Price

UX tab: Change view

Views Brand Format Rules

My Budget
center data: Budget type: deck
[Copy](#) [Delete](#)

View name
The unique name for this view.

For this data
Which table or slice to display.
[Budget](#) [View Definition](#)

View type
What kind of view this is.
 calendar **deck** table gallery
 detail map chart dashboard
 form onboarding card

Deck view

Budget Buddy

01/02/2021 Money IN
02/02/2021 Money OUT
02/02/2021 Money OUT
02/02/2021 Money OUT
03/02/2021 Money IN

[+ Add](#)

Gallery view

Budget Buddy

01/02/2021
02/02/2021
02/02/2021
02/02/2021
02/02/2021

[+ Add](#)

Step#6 Add more features to your App.

Data tab:

Select Column and Use **AutoComplete** to fill the field in Sheets dynamically

The screenshot shows the AppSheet interface with the 'Data' tab selected. A modal window is open for the 'Budget : Category Limit' column. In the 'Auto Compute' section, there are three input fields: 'App formula' (containing '=ifs(indirect("C"&row())="clothes",50,indirect("C"&row())="games",20,indirect("C"&row())="school supplies",80)'), 'Initial value' (empty), and 'Suggested values' (empty). Below these, a 'Spreadsheet formula' field contains the same formula. The 'Update Behavior' and 'Display' sections are collapsed. At the bottom, the formula is repeated: `ifs(indirect("C"&row())="clothes",50,indirect("C"&row())="games",20,indirect("C"&row())="school supplies",80)`.

`ifs(indirect("C"&row())="clothes",50,indirect("C"&row())="games",20,indirect("C"&row())="school supplies",80)`

UX tab:

Sort by Date ascending or descending, choose **Image shape** square or round etc.

The screenshot shows the AppSheet interface with the 'UX' tab selected. The 'Views' tab is active. Under 'Sort by', 'Date' is selected with 'Ascending' order. Under 'Group by', 'None' is selected. Under 'Group aggregate', 'None' is selected. Under 'Main image', '**auto**' is selected. Under 'Primary header', '**auto**' is selected. Under 'Secondary header', '**auto**' is selected. Under 'Summary column', '**auto**' is selected. Under 'Nested table column', 'None' is selected. Under 'Image shape', 'Round Image' is selected.

Step#7 Test your app by entering a few items by the browser link under **Users > Links** tab

Budget Form

Date*
02/08/2021

Type*
Money IN Money OUT

Category

Item*

Cancel Save

Go to your Google Drive and see the updated Sheets with inserted row.

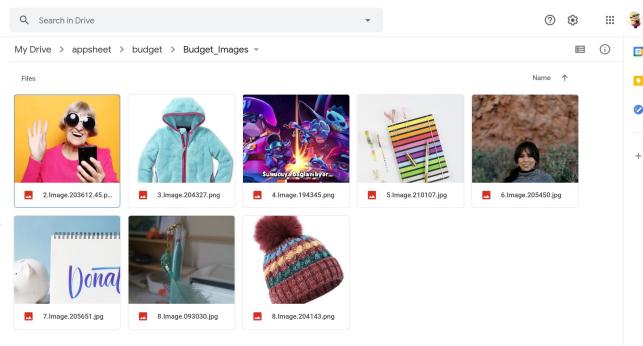
mybudgetbuddy

File Edit View Insert Format Data Tools Add-ons Help Last edit was 1 hour ago

Share

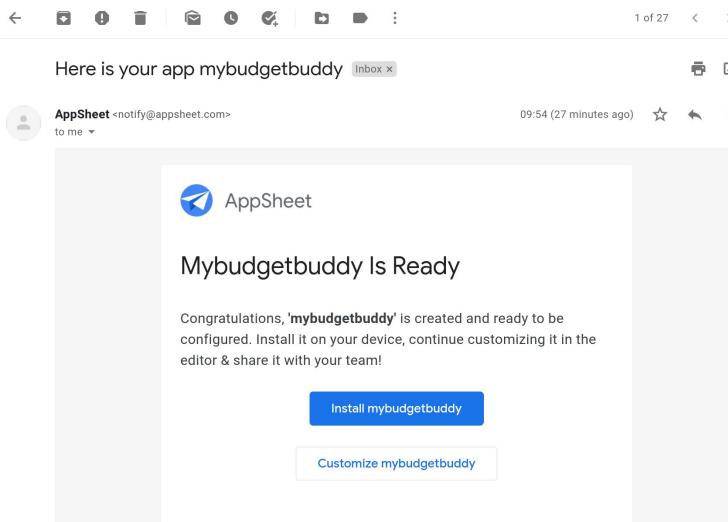
	A	B	C	D	E	F	G	H	I	J	K
1	Date	Type	Category	Item	Amount	Category Limit	Month	Image	Notes		
2	01/02/2021	Money IN	pocket money	grandma	100			2	Budget_Images/2.Image.203612.45.png		
3	02/02/2021	Money OUT	clothes	jacket	25	50		2	Budget_Images/: I will give my red jacket to Lucy.		
4	02/02/2021	Money OUT	games	brawl stars	12	20		2	Budget_Images/4.Image.194345.png		
5	02/02/2021	Money OUT	school supplies	notebooks	15	80		2	Budget_Images/5.Image.210107.jpg		
6	03/02/2021	Money IN	pocket money	mum	100			2	Budget_Images/6.Image.205450.jpg		
7	05/02/2021	Money OUT	donation	gifaid	10	15		2	Budget_Images/7.Image.205651.jpg		
8											

Go to your Google Drive and see the uploaded images under appsheet folder



Step#8 Download your app on your phone and share it with your friends!

Check your inbox to see the install link



Send invites using the Users tab

The screenshot shows the 'Users' tab in the AppSheet interface. The 'Share app' section is highlighted with a yellow box. It includes fields for 'User emails' (with an example value 'kim@mycompany.com') and a 'Broadcast Notifications' toggle switch. A large yellow box highlights the 'User emails' input field. Below the input field is a note: 'You can have up to 10 unique users for free!'.

AppSheet FREE

mybudgetbuddy

Not Deployed

Share App

Info

Data

UX

Behavior

Security

Intelligence

Users

Manage

Learning Center

Search for help

Broadcast Notifications

Links

My apps My account My team Sample apps Help More

My Budget

Date	Description	Amount
01/02/2021	pocket money	\$100.00
02/02/2021	clothes	\$25.00
02/02/2021	games	\$12.00
02/02/2021	school supplies	\$15.00
03/02/2021	pocket money	\$10.00

Preview App as appstuba@gmail.com

View: My Budget | Table: Budget

To learn more ...

AppSheet user's community

The screenshot shows a forum post from a user named "Institute_San_Pedro_Claudio" dated Feb 17. The post discusses the need to build a detailed view between two entities: "Students" and "Parents". It notes that each student can have multiple parents and each parent can belong to multiple students. The user is looking for a way to represent this relationship without creating a bridge table. A reply from "Feb 17" suggests using a many-to-many reference and bridge table.

YouTube channel

The screenshot shows the AppSheet YouTube channel homepage. It features a banner with the text "AppSheet App Development For Everyone" and a "Start for free" button. Below the banner, there are sections for "Why Build Apps?", "Introduction to AppSheet", and "UX". The "HOME" tab is selected in the navigation bar.

Collection of sample apps

The screenshot shows a collection of sample apps under the heading "inspections". It includes four items: "Inspection Template" (Inspection Templates), "Inspection App Upgrade" (Document and report manufacturing equipment inspections), "Inspection Checklist App" (An app for construction site managers or auditors to capture information about), and "Inspection App" (A mobile app for manufacturing equipment inspections). There are filters for "Industry", "Function", and "Feature".

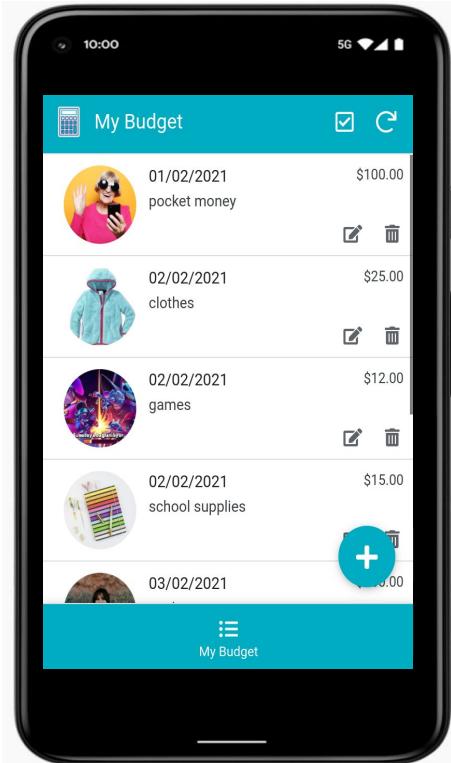
Detailed product documentation

The screenshot shows a documentation page for the AppSheet team. It features a search bar and sections for "APP DESIGN" (How to think about the design of your apps, 14 articles) and "DATA" (How to model the data in your apps, 58 articles). The "UX" section is also visible at the bottom.

What is Next?

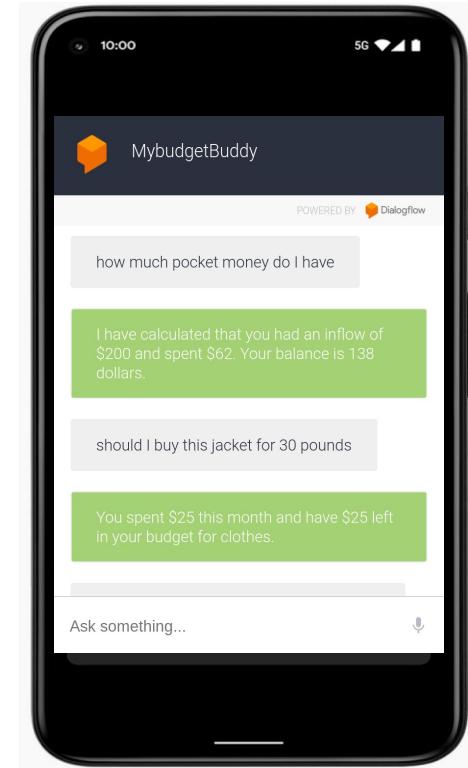
How to integrate your budget file with Dialogflow for virtual assistance

Build a mobile app to store your money inflow and your spendings where you can also upload pictures and take notes.



Next step!

Build a chatbot to get virtual assistance from *your budget buddy* during shopping!



The end.