

hey my name is Chris and I'm the developer of Sling code Sling code is an online application for coding web apps without using the command line basically you can make run and share web apps using sling code and I've tried to make it friendly for amateur coders and kids not just people who already know how to code you can run the app by going to slingcode.net and then clicking on the try it link in the top right hand corner when you do that you'll see a list of installed demo web apps when you first run it these are here is an example for you to reference the main part of the sling code interface is this [here](#) the Edit link so when you click that you can see the source code for an app and you can change the source code you can also add files so you can load a JavaScript CSS file off your hard drive or an image and you can create them from scratch as well by typing in the file name you can reference the files that you've added from within the other files inside your browser so in essence it's a web-based IDE for building client-side web applications it's similar it's similar in concept to jsfiddle.net or glitch.com or sites like that but I'd like to talk about the three main features that set it apart from those other online IDE type apps so the first feature is a feature of the it's a property of Sling code itself if we go back to swingcode.net you can see here that the entire application fits in a single HTML file so I've designed to be fiercely independent or what you might call `_trust-minimized_` because it doesn't rely on any trusted third-party server if you download this HTML file by right-clicking and saying Save Link As you'll get a copy in the HTML file on your local computer and it works perfectly well self contained in that format you can also put on a USB stick or upload it to your own web server the apps themselves are all stored inside the browser's local storage on your device

03.110
05.450
06.980
09.129
11.570
13.580
15.440
17.359
19.700
23.029
24.859
28.040
30.140
32.269
35.660
37.700
40.160
41.720
43.450
47.389
49.729
53.330
55.130
57.650
59.709
01:04.640
01:06.800
01:09.469
01:11.780
01:17.450
01:18.649
01:20.390
01:24.560
01:28.039
01:30.980
01:34.280
01:37.910
01:41.330
01:43.160
01:45.230
01:47.560
01:50.210
01:53.109
01:55.340
01:56.780
01:59.240
02:01.880
02:06.770
02:09.710
02:11.330
02:12.300

so they're not actually stored on a	02:13.500
server anyway the domain I've put this	02:15.990
on slingcode.net -- it has no back-end	02:18.300
components -- it's literally just a	02:19.860
back-end static hosting so that's the	02:22.620
first feature is that it's independent	02:24.809
of any online service runs completely	02:28.290
standalone the second feature I think is	02:30.870
important is the live reloading so	02:33.690
whenever you edit code you can see it to	02:37.979
see the changes immediately when you hit	02:39.930
save so if we run this app here now	02:43.130
there's two different ways of running it	02:45.150
you can run it in a new tab or you can	02:46.890
run it in the same tab adjacent so let's	02:50.340
say next to code and you can see over	02:52.650
here the app loading now this the source	02:55.860
code of the app is here and the app is	02:57.240
here it's got a little bit of	02:58.770
functionality a button you can click and	03:00.390
it pops up an alert saying hello you can	03:03.720
see that in the source code here button	03:06.120
on click JavaScript alert hello so now	03:09.360
let's try editing this codes that says	03:13.289
hello my friend and we hit save and now	03:18.479
when we click the button that change has	03:20.520
been immediately reflected in the live	03:22.050
version we've also changed the content	03:24.509
here	03:24.990
I am alive and you can see that	03:28.800
immediately when I hit ctrl s to save we	03:31.559
get the hello world iona live update	03:33.960
here on this screen you can also change	03:36.390
the CSS so it will take out this	03:38.400
gradient here and just have a single	03:39.720
background color of red and when we can	03:42.960
save and immediately reflects on the	03:44.640
screen so this live reloading is fully	03:48.000
integrated and we can even include a	03:51.809
separate JavaScript file so if we say	03:54.680
create a JavaScript file and we'll call	03:57.000
it test.js this adds a new file	04:00.300
and we'll put the code in here for alert	04:02.569
this is the load and then save that one	04:08.039
and then we'll add that into our HTML	04:10.080
over here	04:12.180
test.js and hit save and you see	04:20.590
immediately it runs that javascript	04:22.360
because it's embedded in the HTML here	04:24.430
and we can change that so that it says	04:27.670
something else some thing else and when	04:31.570
you get saved when you save it	04:33.520
immediately reloads that javascript file	04:35.620

hot loads it into the browser the same	04:37.540
thing happens with CSS files so yeah	04:40.930
there's quite a tight feedback loop	04:42.040
between editing your web code editing	04:46.510
your web apps code and the what's	04:48.790
actually reflected in the in the in the	04:51.190
display window here now you don't have	04:54.910
to have it in an iframe next door to the	04:57.180
code you can also if we stop that one	05:00.190
you can also run it in a new tab and	05:02.920
what's great about this is you can break	05:07.750
if you have two monitors you can break	05:09.280
this tab off and put the second put it	05:13.600
on a second monitor let's just imagine	05:15.490
that this was on a second monitor	05:16.510
somewhere and then you can have your	05:17.890
code on one monitor and your live	05:19.540
updating version on another monitor and	05:22.480
you can do all the same sorts of changes	05:24.370
so let's again change this background	05:26.050
color to red and save that one let's	05:31.330
reload that javascript and you can see	05:33.010
it reflected in this tab that might be	05:34.480
on your other monitor and so this allows	05:36.100
for quite a natural style of interactive	05:39.490
development that people used to with	05:42.010
other editors and command-line tools	05:44.440
except it's all in the browser so both	05:46.420
of these are browser tabs so now the	05:49.960
third feature i'd like to show you	05:51.340
here's the sharing feature and to do	05:53.770
that i'm gonna have to pull up my webcam	05:55.180
because it's how we send this app from	05:58.960
one device to another so give me a	06:01.300
so now you can see here I've got a sling	06:07.150
code up on my laptop and I've also	06:08.620
loaded it up on my phone's browser so	06:11.350
I've got two copies of it running one on	06:12.670
each device now what I'm gonna do is	06:14.860
take this hello world example I'm going	06:17.290
to clone it I click clone it says cloned	06:19.630
hello world now I'm going to go ahead	06:21.880
and edit the cloned version I'm gonna	06:24.160
change the title to my cool app and	06:32.530
obviously I could make other changes as	06:34.120
well so I'll hit save on that I might	06:36.640
actually remove the icon just so that we	06:39.070
get a nice individual cuz I got this	06:45.220
here this gray circle so you can see	06:47.230
that it's a different app now it's	06:48.460
called My cool app and the grey circle	06:50.080
you can put other functionality in there	06:52.030
etc so now what we're gonna do to get	06:54.670

the app that I've written on my laptop	06:57.580
let's say I've made a bunch of changes	06:58.960
I've written a cool new app I want to	07:01.030
get it over on to my phone so I'm gonna	07:02.920
say I'm gonna click on this icon here	07:04.570
the the send icon so I click on the	07:07.090
little lower paper plane it pulls up	07:09.190
this send interface now all you really	07:11.800
have to do is in on the phone hit plus	07:15.280
down in the bottom right corner and then	07:17.740
hit receive app and that will open this	07:20.950
interface if you scroll down and say	07:23.260
scan a QR code then it gives you the	07:26.530
opportunity to scan the QR code that's	07:28.480
up in the screen and that's gone too	07:29.890
fast it's actually just immediately	07:31.630
connected and you can see on both	07:33.610
devices it's making the connection and	07:37.090
downloading the app and it's done so now	07:39.640
on my phone it says added one app so I'm	07:43.240
going to close that and I'm gonna say	07:46.860
cancel and you can see my cool apps it's	07:50.560
from my laptop is now transferred over	07:53.050
onto my phone now that's done using a	07:55.990
library called web torrent so it uses	07:58.660
signaling servers which you can edit but	08:01.720
it's basically not tied to any	08:03.580
particular provider or service so I	08:06.340
think that's a pretty cool little	08:07.900
feature in this way you can make your	08:10.240
own little private web apps that you use	08:12.000
maybe you share them with people in your	08:13.990
family or with friends or with workmates	08:16.220
and get them from device to device	08:18.020
without needing to sort of set up any	08:20.570
domain or centralized system so yeah	08:24.500
that's a sling code in a nutshell thanks	08:26.810