

GST Chanakya

JU Hackathon

Wannacry, GCETTS

- Joydeep Mukherjee
- Shouvik Bajpayee
- Nilmadhab Das
- Satadal Banerjee

GST

Skip this, everyone knows what GST is

Okay Then?

The Problem

You need to file 3 returns

GSTR 1

GSTR 2

GSTR 3

&

The format they specified is just a mess

You need to enter voucher details row by row in a csv file they have provided

GSTR1_Excel_Workbook_Template-V1.1.xlsx - LibreOffice Calc

File Edit View Insert Format Sheet Data Tools Window Help

Times New Roma 11 a a a a \$ % 0.0 0.00 0.00

B20 fx Σ =

Summary For B2B(4)

No. of Recipients	No. of Invoices	Total Invoice Value						
1	12	517000.00						
GSTIN/UIN of Recipient	Invoice Number	Invoice date	Invoice Value	Place Of Supply	Reverse Charge	Invoice Type	E-Commerce GSTIN	Rate
05ABCDE1234E1ZF	1000	14 Jul 17	50000.00	37-Andhra Pradesh	N	Regular		12.00
05ABCDE1234E1ZF	A1001	14 Jul 17	50000.00	37-Andhra Pradesh	N	Regular		5.00
05ABCDE1234E1ZF	1000A	14 Jul 17	52000.00	36-Telangana	N	Regular		12.00
05ABCDE1234E1ZF	A/1001	14 Jul 17	50000.00	31-Lakshdweep	Y	Regular		28.00
05ABCDE1234E1ZF	A/1002	14 Jul 17	50000.00	37-Andhra Pradesh	Y	Regular		0.25
05ABCDE1234E1ZF	A/1003	14 Jul 17	10000.00	37-Andhra Pradesh	N	Regular		12.00
05ABCDE1234E1ZF	A/1003	14 Jul 17	10000.00	37-Andhra Pradesh	N	Regular		5.00
05ABCDE1234E1ZF	1/1005	14 Jul 17	50000.00	37-Andhra Pradesh	N	Regular	01ABCDE1234E1CF	12.00
05ABCDE1234E1ZF	A-10010	14 Jul 17	26000.00	37-Andhra Pradesh	N	Regular		18.00
05ABCDE1234E1ZF	1-10010	15 Jul 17	48000.00	36-Telangana	N	Regular		0.00
05ABCDE1234E1ZF	A-KNP/1000/06-17	15 Jul 17	45000.00	37-Andhra Pradesh	N	Regular		3.00
05ABCDE1234E1ZF	06-17/LKO/1052	15 Jul 17	43000.00	37-Andhra Pradesh	N	Regular	05ABCDE1234E1CF	12.00
05ABCDE1234E1ZF	06-17/LKO/1053	15 Jul 17	43000.00	37-Andhra Pradesh	Y	Regular	01ABCDE1234E1CF	28.00

Help Instruction b2b b2cl b2cs cdnr cdnur exp at atadj exemp hsn docs master

Find Find All Search Formatted Display String Match Case

Sheet 2 of 13

PageStyle_b2b

Sum=0

100%

So your options are

Use some PAID
software

- Tally
- Zoho Books

Or do labourous
manual work

Purchase Tally Products using
Credit\Debit card or Netbanking

Renew TSS using Service Coupon

Product Purchase Details

Product Type	Product	No. of licenses	Price/Unit	Sub-Total(INR)
<div>Tally.ERP 9 ▼</div>	<div>Tally.ERP 9 Gold (Un ▼</div>	<div>1</div>	63720.00	63720.00

☐ I need a product demonstration, installation assistance and for other queries at no additional cost

Continue

For Your 64k Tally gives you a DOS like GUI

--

Sun 05:59

Humsafar (Vide x overflow y:scroll - x CSS3 overflow-y x GST compliant ac x

Secure | https://www.zoho.com/in/books/



Books

Toll Free - 1800 123 7711
Mon - Fri 9:00 AM - 6:00 PM

Tour

Pricing

GST Resources **NEW**

More ▾

SIGN UP NOW

₹ 2499^{*}/year

For One Organization

- ✓ Add contacts and users
- ✓ Create estimates and invoices
- ✓ Track bills and expenses
- ✓ Connect to secure, automatic bank feeds
- ✓ Create projects and timesheets
- ✓ Monitor inventory levels
- ✓ Create sales order and purchase order
- ✓ Generate business reports
- ✓ File GST returns **NEW**

Start my free trial →

*Price exclusive of GST

CONTACT US ^



0B

32B

Zoho does a good job but they are charging more

Enter GST Chanakya

Our Code is

1. Open Source
2. Non Profit
3. Optimized for small screen devices

Welcome To Chanakya

Accounting Software developed by Joydeep,
Nilmadhab, Shouvik, Satadal

FY 2016-17

Enter UserID

Enter Password

LOGIN

CREATE NEW COMPANY

Company Creation

FY 2016-17

Enter Company Name

Enter Address

Enter UserID

GSTIN

Enter Password

Retype Password

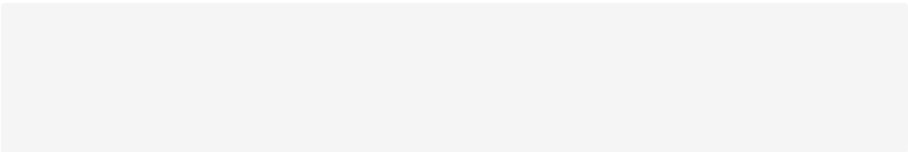
REGISTER

baju

19ABCDE1234A1ZL

FY 201617

abc



Add New Ledger

Ledger Name

Under Group

Ledger Address [if any]

GSTIN

SUBMIT

Add New Ledger

Some Random Name

S

Deposits
Investments
Direct Expenses
Indirect Expenses
Duties & Taxes
Fixed Assets
Purchase
Sales
Stock in Hand

Add New Ledger

Some Random Name

Sundry Debtors

Ledger Address [if any]

19AAAAA1234A1ZW

SUBMIT



Recheck GSTIN
GSTIN Checksum Mismatch



Add New Ledger

Ledger Name

Sundry Debtors

Ledger Address [if any]

GSTIN

SUBMIT



Ledger Created: Some Random Name



Add Stock Item

Item Name

Item Rate

Under Group

Units of Measure ▾

HSN Code

Tax Rate

SUBMIT

Add Stock Item

Some Random Name

25

U

Units of Measure

HSN Code

Tax Rate

SUBMIT

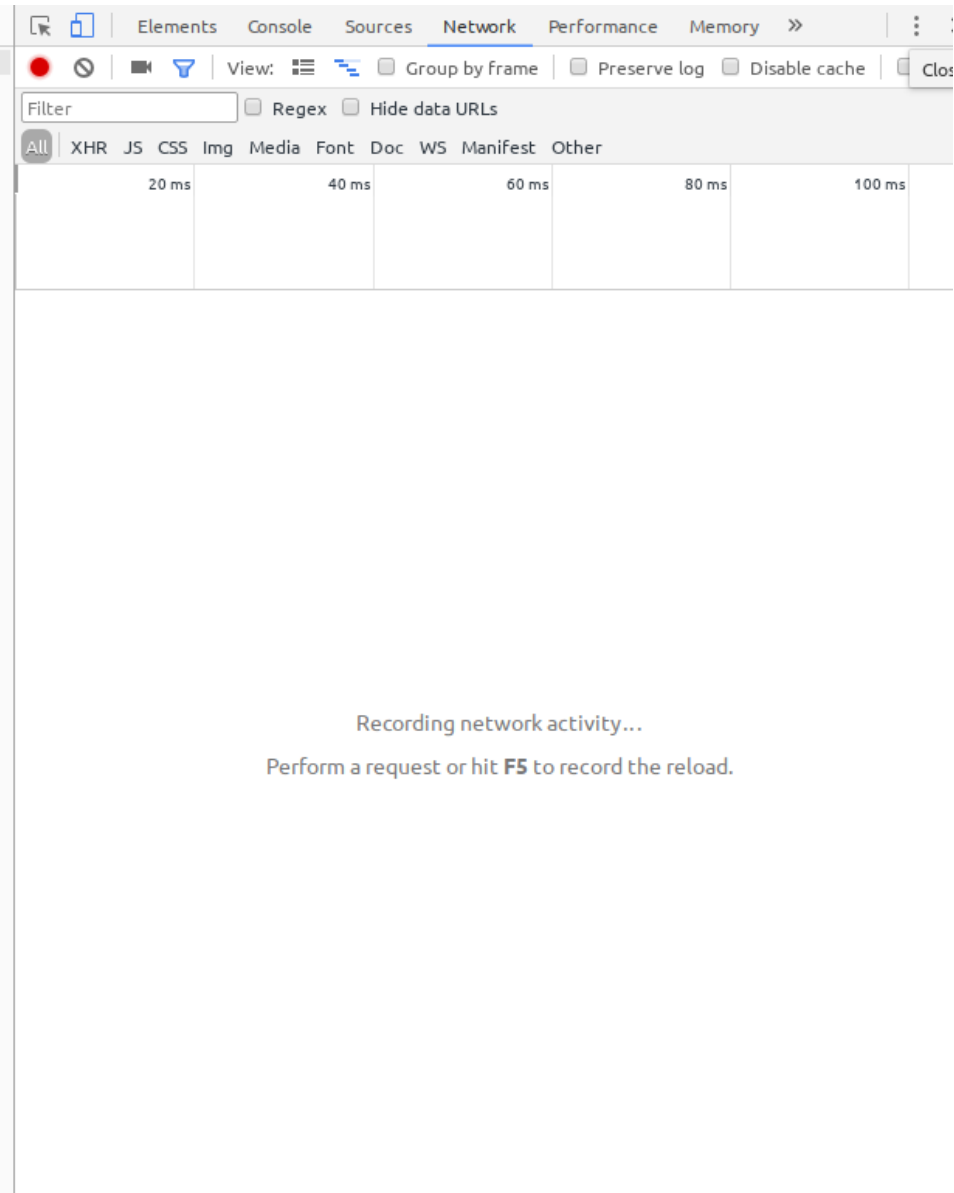
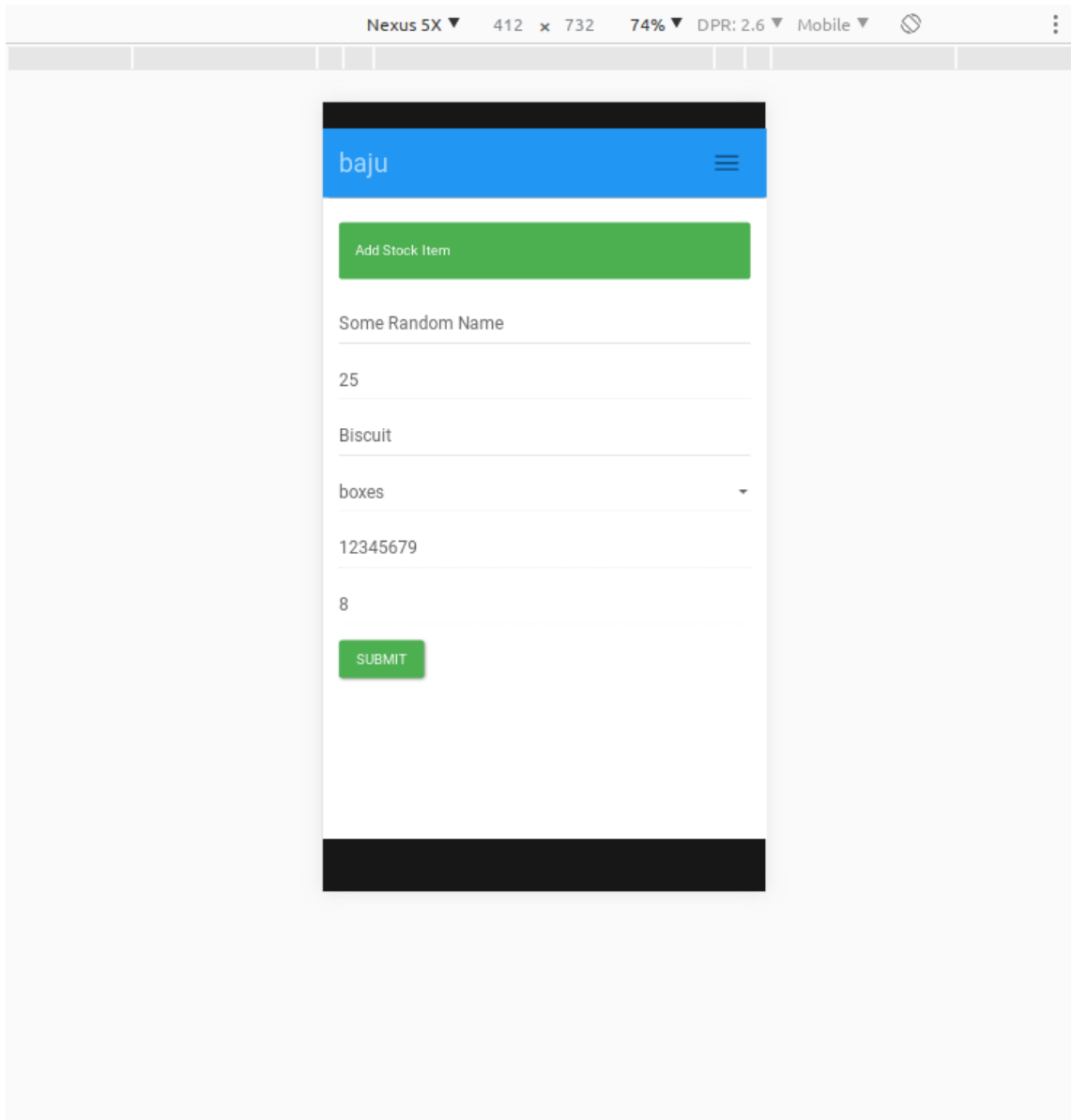
Chanakya



Biscuit

daily use

CLOSE



Nexus 5X412 x 73274% DPR: 2.6Mobile

baju

Sales Voucher

Date

Invoice No

Purchaser Name

Place of Supply

Item Name	HSN	Quantity	Rate	Disc
Item Name				
				Total
				Roun Off

ElementsConsoleSourcesNetworkPerformanceMemory

Filter

AllXHRJS CSSImg MediaFont Doc WSManifestOther

Name	Status	Type	Initiator	Size	Time	Waterfall
add	200	docum...	Other	21.1 KB	11 ms	
jquery.min.js	200	script	add	(From ...	5 ms	
bootstrap-paper.min.css	200	styles...	add	(From ...	8 ms	
bootstrap.min.js	200	script	add	(From ...	6 ms	
toastr.css	200	styles...	add	(From ...	5 ms	
toastr.min.js	200	script	add	(From ...	6 ms	
jquery-ui.css	200	styles...	add	(From ...	8 ms	
jquery-ui.js	200	script	add	(From ...	92 ms	
Roboto.css	200	styles...	add	(From ...	4 ms	
CWB0XYA8bzo0k5ThX0UTu...	200	font	add	(From ...	1 ms	
data:image/png;base...	200	png	add	(From ...	0 ms	
d-6lYpIOFocCacKzxwXSOFt...	200	font	add	(From ...	2 ms	
glyphicons-halflings-regular...	200	font	add	18.0 KB	19 ms	
calendar.gif	200	gif	jquery.min.js:3	657 B	11 ms	
ui-bg_flat_75_ffffff_40x100...	200	png	Other	576 B	337 ms	
ui-bg_highlight-soft_75_ccc...	200	png	jquery.min.js:3	500 B	6 ms	
ui-icons_222222_256x240.p...	200	png	jquery.min.js:3	4.7 KB	8 ms	
ui-bg_glass_75_e6e6e6_1x4...	200	png	jquery.min.js:3	508 B	6 ms	
ui-bg_glass_55_fbf9ee_1x4...	200	png	jquery.min.js:3	518 B	5 ms	

19 requests | 46.5 KB transferred | Finish: 3.41 s | DOMContentLoaded: 311 ms | Load: 332 ms

Nexus 5X412 x 73274% DPR: 2.6Mobile

baju

Sales Voucher

Date

Sep2017

SuMoTuWeThFrSa

12

3456789

10111213141516

17181920212223

24252627282930

Item Name	HSN	Quantity	Rate	Disc
Item Name				
				Total
				Roun Off

ElementsConsoleSourcesNetworkPerformanceMemory

View:Group by framePreserve logDisable cacheOffline

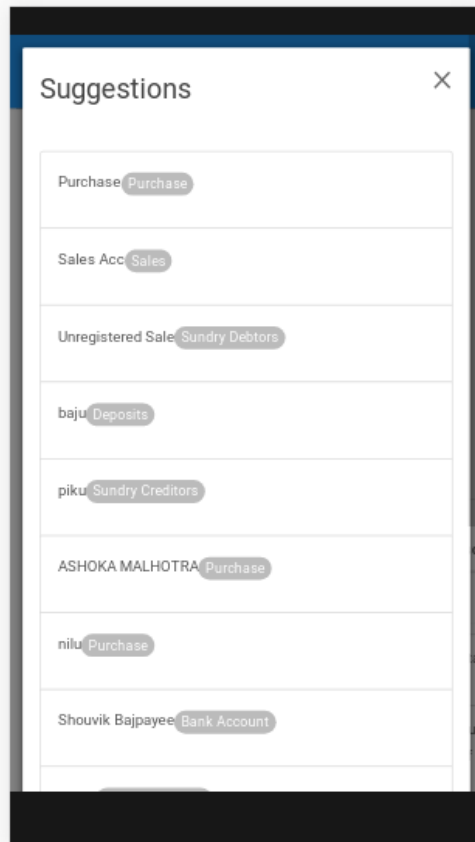
FilterRegexHide data URLs

AllXHRJSCSSImgMediaFontDocWSManifestOther

500 ms1000 ms1500 ms2000 ms2500 ms3000 ms3500 ms4000 ms

Name	Status	Type	Initiator	Size	Time	Waterfall
add	200	docum...	Other	21.1 KB	11 ms	
jquery.min.js	200	script	add	(From ...)	5 ms	
bootstrap-paper.min.css	200	styles...	add	(From ...)	8 ms	
bootstrap.min.js	200	script	add	(From ...)	6 ms	
toastr.css	200	styles...	add	(From ...)	5 ms	
toastr.min.js	200	script	add	(From ...)	6 ms	
jquery-ui.css	200	styles...	add	(From ...)	8 ms	
jquery-ui.js	200	script	add	(From ...)	92 ms	
Roboto.css	200	styles...	add	(From ...)	4 ms	
CWB0XYA8bzo0k5ThX0UTu...	200	font	add	(From ...)	1 ms	
data:image/png;base...	200	png	add	(From ...)	0 ms	
d-6IYpIOFocCacKzxwXSOFt...	200	font	add	(From ...)	2 ms	
glyphicons-halflings-regular...	200	font	add	18.0 KB	19 ms	
calendar.gif	200	gif	jquery.min.js:3	657 B	11 ms	
ui-bg_flat_75_ffffff_40x100...	200	png	Other	576 B	337 ms	
ui-bg_highlight-soft_75_ccc...	200	png	jquery.min.js:3	500 B	6 ms	
ui-icons_222222_256x240.p...	200	png	jquery.min.js:3	4.7 KB	8 ms	
ui-bg_glass_75_e6e6e6_1x4...	200	png	jquery.min.js:3	508 B	6 ms	
ui-bg_glass_55_fbf9ee_1x4...	200	png	jquery.min.js:3	518 B	5 ms	

19 requests | 46.5 KB transferred | Finish: 3.41 s | DOMContentLoaded: 311 ms | Load: 332 ms



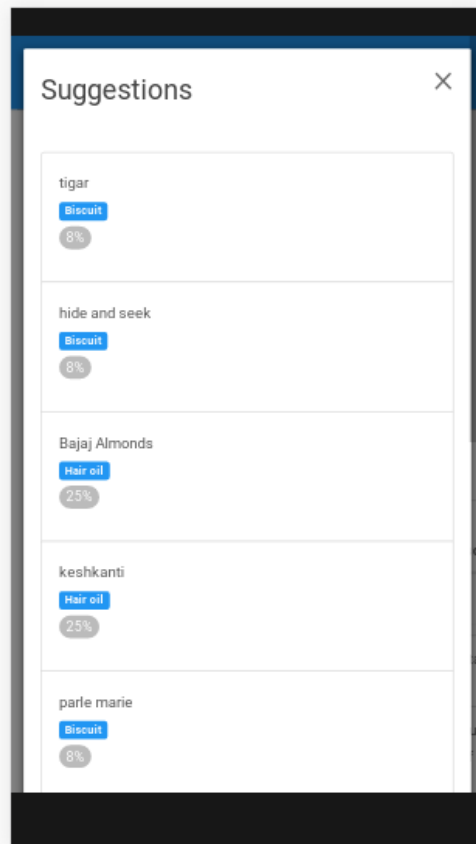
Network

Filter: ☐ Regexp ☐ Hide data URLs

All XHR JS CSS Img Media Font Doc WS Manifest Other

Name	Status	Type	Initiator	Size	Time	Waterfall
add	200	docum...	Other	21.1 KB	11 ms	
jquery.min.js	200	script	add	(From ...)	5 ms	
bootstrap-paper.min.css	200	styles...	add	(From ...)	8 ms	
bootstrap.min.js	200	script	add	(From ...)	6 ms	
toastr.css	200	styles...	add	(From ...)	5 ms	
toastr.min.js	200	script	add	(From ...)	6 ms	
jquery-ui.css	200	styles...	add	(From ...)	8 ms	
jquery-ui.js	200	script	add	(From ...)	92 ms	
Roboto.css	200	styles...	add	(From ...)	4 ms	
CWB0XYA8bzo0kSThX0UTu...	200	Font	add	(From ...)	1 ms	
data:image/png;base...	200	png	add	(From ...)	0 ms	
d-6lYplOFocCacKzxwXSOFt...	200	Font	add	(From ...)	2 ms	
glyphicons-halflings-regular...	200	Font	add	18.0 KB	19 ms	
calendar.gif	200	gif	jquery.min.js:3	657 B	11 ms	
ui-bg_flat_75_ffffff_40x100...	200	png	Other	576 B	337 ms	
ui-bg_highlight-soft_75_ccc...	200	png	jquery.min.js:3	500 B	6 ms	
ui-icons_222222_256x240.p...	200	png	jquery.min.js:3	4.7 KB	8 ms	
ui-bg_glass_75_e6e6e6_1x4...	200	png	jquery.min.js:3	508 B	6 ms	
ui-bg_glass_55_fbf9ee_1x4...	200	png	jquery.min.js:3	518 B	5 ms	
%	200	xhr	add:399	1.8 KB	8 ms	
Hgo13k-tfSpn0qi1SFdUFvTX...	200	Font	jquery.min.js:4	(From ...)	5 ms	

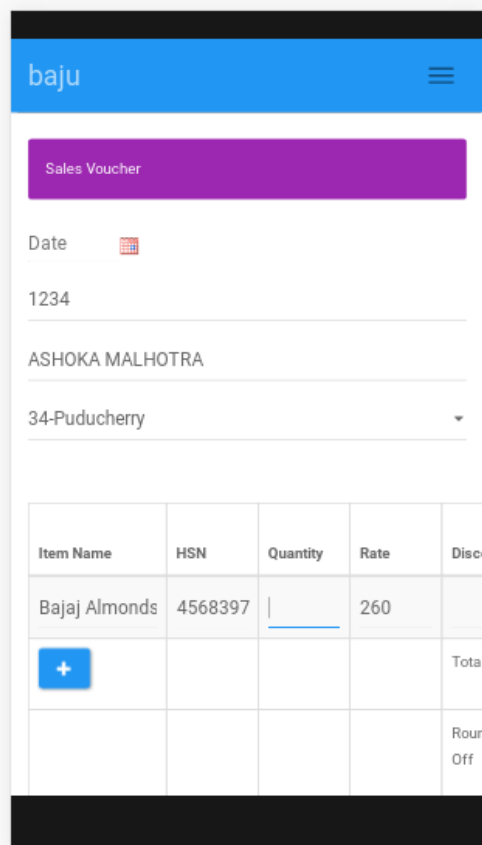
21 requests | 48.3 KB transferred | Finish: 20.59 s | DOMContentLoaded: 311 ms | Load: 332 ms



The screenshot shows the Chrome DevTools Network tab. At the top, there are tabs for Elements, Console, Sources, Network (selected), Performance, and Memory. Below these are icons for recording, pausing, and filtering, along with a 'View' dropdown and checkboxes for 'Group by frame', 'Preserve log', 'Disable cache', and 'Offline'. A search filter is set to 'Filter'. Below the filter are tabs for 'All', 'XHR', 'JS', 'CSS', 'Img', 'Media', 'Font', 'Doc', 'WS', 'Manifest', and 'Other'. A timeline at the top shows request durations from 5000 ms to 45000 ms. The main table lists 24 requests:

Name	Status	Type	Initiator	Size	Time	Waterfall
add	200	docum...	Other	21.1 KB	11 ms	
jquery.min.js	200	script	add	(from ...	5 ms	
bootstrap-paper.min.css	200	styles...	add	(from ...	8 ms	
bootstrap.min.js	200	script	add	(from ...	6 ms	
toastr.css	200	styles...	add	(from ...	5 ms	
toastr.min.js	200	script	add	(from ...	6 ms	
jquery-ui.css	200	styles...	add	(from ...	8 ms	
jquery-ui.js	200	script	add	(from ...	92 ms	
Roboto.css	200	styles...	add	(from ...	4 ms	
CWB0XYA8bzo0kStHX0UTu...	200	Font	add	(from ...	1 ms	
data:image/png;base...	200	png	add	(from ...	0 ms	
d-6IYpOFocCacKzxwXSOFT...	200	Font	add	(from ...	2 ms	
glyphicons-halflings-regular...	200	Font	add	18.0 KB	19 ms	
calendar.gif	200	gif	jquery.min.js:3	657 B	11 ms	
ui-bg_flat_75_ffffff_40x100...	200	png	Other	576 B	337 ms	
ui-bg_highlight-soft_75_ccc...	200	png	jquery.min.js:3	500 B	6 ms	
ui-icons_222222_256x240.p...	200	png	jquery.min.js:3	4.7 KB	8 ms	
ui-bg_glass_75_e6e6e6_1x4...	200	png	jquery.min.js:3	508 B	6 ms	
ui-bg_glass_55_bf9ee_1x4...	200	png	jquery.min.js:3	518 B	5 ms	
%	200	xhr	add:399	1.8 KB	8 ms	
Hgo13k-tfSpn0qi1SFdUFVtX...	200	Font	jquery.min.js:4	(from ...	5 ms	
byname/	404	xhr	add:399	456 B	14 ms	
%	200	xhr	add:399	1.8 KB	28 ms	
%	200	xhr	add:409	1.7 KB	20 ms	

At the bottom, a summary bar shows: 24 requests | 52.4 KB transferred | Finish: 40.41 s | DOMContentLoaded: 311 ms | Load: 332 ms



ElementsConsoleSourcesNetworkPerformanceMemory»

2

```
<!DOCTYPE html>
<html lang="en">
  <#shadow-root (open)>
    <#head>...</head>
    ... <body class> == $0
      <nav class="navbar navbar-inverse">...</nav>
      <div class="container">...</div>
      <div id="ui-datepicker-div" class="ui-datepicker ui-widget ui-widget-content ui-helper-clearfix ui-corner-all" style="position: absolute; top: 194px; left: 15px; z-index: 1; display: none;">...</div>
    </body>
  </html>
```

htmlbody

StylesEvent ListenersDOM BreakpointsProperties

Filter: :hov .cls +

element.style {
}

body {
 -webkit-font-smoothing: antialiased;
 letter-spacing: .1px;
}

body {
 font-family: "Roboto", "Helvetica Neue", Helvetica, Arial, sans-serif;
 font-size: 13px;
 line-height: 1.846;
}

marginborderpadding412 x 807

baju

Sales Voucher

Date
1234
ASHOKA MALHOTRA
34-Puducherry

ity	Rate	Discount	Amount	GST @	Tax
	260			25	
		Total:	0.00		0.00
		Round Off	0.00		

```

<!DOCTYPE html>
<html lang="en">
  #shadow-root (open)
  <head>...</head>
  ...<body class> == $0
    <nav class="navbar navbar-inverse">...</nav>
    <div class="container">...</div>
    <div id="ui-datepicker-div" class="ui-datepicker ui-widget ui-widget-content ui-helper-clearfix ui-corner-all" style="position: absolute; top: 194px; left: 15px; z-index: 1; display: none;">...</div>
  </body>
</html>

```

html body

Styles Event Listeners DOM Breakpoints Properties

Filter :hov .cls +

```

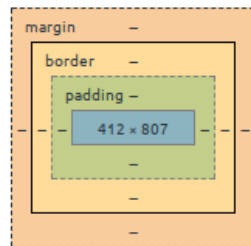
element.style {
}

body {
  bootstrap-paper.min.css:11
  -webkit-font-smoothing: antialiased;
  letter-spacing: .1px;
}

body {
  bootstrap-paper.min.css:11
  font-family: "Roboto","Helvetica Neue",Helvetica,Arial,sans-serif;
  font-size: 13px;
  line-height: 1.846;
  color: #666666;
  background-color: #ffffff;
}

body {
  bootstrap-paper.min.css:11

```



Filter ☐ Show all

- ▶ background-color ☐ rgb(...)
- ▶ box-sizing border...
- ▶ color ☒ rgb(...)

baju

Sales Voucher

Date

1234

ASHOKA MALHOTRA

34-Puducherry

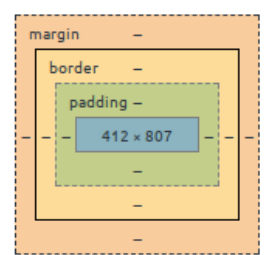
	GST @	Tax	Amount With Tax	Delete
00	25	650.00	3250.00	<input type="checkbox"/>
0.00		650.00	3250.00	
			3250.00	

```
<!DOCTYPE html>
<html lang="en">
  <#shadow-root (open)>
    <head>...</head>
    <body class> == $0
      <nav class="navbar navbar-inverse">...</nav>
      <div class="container">...</div>
      <div id="ui-datepicker-div" class="ui-datepicker ui-widget ui-widget-content ui-helper-clearfix ui-corner-all" style="position: absolute; top: 194px; left: 15px; z-index: 1; display: none;">...</div>
    </body>
  </html>
```

html body

Styles Event Listeners DOM Breakpoints Properties

```
Filter :hov .cls +
element.style {
}
body {
  bootstrap-paper.min.css:11
  -webkit-font-smoothing: antialiased;
  letter-spacing: .1px;
}
body {
  bootstrap-paper.min.css:11
  font-family: "Roboto","Helvetica Neue",Helvetica,Arial,sans-serif;
  font-size: 13px;
  line-height: 1.846;
  color: #666666;
  background-color: #ffffff;
}
body {
  bootstrap-paper.min.css:11
```



- Filter ☐ Show all
- ▶ background-col... ☐ rgb(...)
 - ▶ box-sizing border...
 - ▶ color ☒ rgb(...)

Sales Voucher

Date



1234

ASHOKA MALHOTRA

34-Puducherry



Item Name	HSN	Quantity	Rate	Discount	Amount	GST@	Tax	Amount With Tax	Delete
Bajaj Almonds	45683979	10	260	0	2600.00	25	650.00	3250.00	<input type="checkbox"/>
<div>+</div>				Total:	2600.00		650.00	3250.00	<div>🗑</div>
				Round Off	0.00			3250.00	

Narration

SUBMIT

Select Month ▾

Annexure	Description	Select
B2B	Details of invoices of Taxable supplies made to other registered taxpayers	<input type="radio"/>
B2C Large	Invoices for Taxable outward supplies to consumers where a)The place of supply is outside the state where the supplier is unregistered and b)The total invoice value is more that Rs 2,50,000	<input type="radio"/>
B2C Small	Supplies made to consumers and unregistered persons of the following nature a) Intra-State: any value b) Inter-State: Invoice value Rs 2.5 lakh or less	<input type="radio"/>
GSTR 3	Monthly summary return	<input type="radio"/>

VIEW

Name	GSTIN	Invoice Number	Invoice Date	Invoice Value	Place of Supply	Rate	Taxable Value
asaram bapu	14AAAAA1234A1ZV	1234	5-Sep-2017	83.06	14-Manipur	13.0	73.50
ASHOKA MALHOTRA	34JHUTR9876S1Z5	12	5-Sep-2017	10110.40	34-Puducherry	8.0	5575.00
ASHOKA MALHOTRA	34JHUTR9876S1Z5	12	5-Sep-2017	10110.40	34-Puducherry	13.0	1450.80
ASHOKA MALHOTRA	34JHUTR9876S1Z5	12	5-Sep-2017	10110.40	34-Puducherry	25.0	1960.00
ASHOKA MALHOTRA	34JHUTR9876S1Z5	13528fek	13-Sep-2017	17290.00	34-Puducherry	25.0	13832.00
Shouvik Bajpayee	16HYUIH4387U1FF	7648935	22-Sep-2017	7720.28	16-Tripura	8.0	741.00
Shouvik Bajpayee	16HYUIH4387U1FF	7648935	22-Sep-2017	7720.28	16-Tripura	25.0	5536.00

PRINT CSV

DOWNLOAD CSV

Print

Total: 1 page

Cancel Save

Destination Save as PDF

Change...

Pages All

e.g. 1-5, 8, 11-13

Layout Portrait

+ More settings

Print using system dialogue... (Ctrl+Shift+P)

Chanskipa - A GST based accounting software developed by Jaydeep Mukherjee

baju

GSTR1-B2B-Sep

Details of Invoices of Taxable supplies made to other registered taxpayers

Checked & Verified on behalf of baju

Name	GSTIN	Invoice Number	Invoice Date	Invoice Value	Place of Supply	Rate	Taxable Value	Reverse Charge	Invoice Type
asaram baju	14AAAAA1234 A1ZV	1234	5-Sep-2017	83.06	14-Manipur	13.0	73.5	N.A.	Regular
ASHOKA MALHOTRA	34JHU/TR9876 S1Z5	12	5-Sep-2017	10110.40	34-Puducherry	8.0	5575.0	N.A.	Regular
ASHOKA MALHOTRA	34JHU/TR9876 S1Z5	12	5-Sep-2017	10110.40	34-Puducherry	13.0	1450.8	N.A.	Regular
ASHOKA MALHOTRA	34JHU/TR9876 S1Z5	12	5-Sep-2017	10110.40	34-Puducherry	25.0	1960.0	N.A.	Regular
ASHOKA MALHOTRA	34JHU/TR9876 S1Z5	13528fek	13-Sep-2017	17290.00	34-Puducherry	25.0	13832.0	N.A.	Regular
Shouvik Bagayee	10HYBH4387U 1FF	7648925	22-Sep-2017	7720.38	16-Tripura	8.0	741.0	N.A.	Regular
Shouvik Bagayee	10HYBH4387U 1FF	7648925	22-Sep-2017	7720.38	16-Tripura	25.0	5536.0	N.A.	Regular

<http://juhackathon-joy-deep.cs50.io/>

Build with

Flask on Python 3.6

Bootstrap

Toaster

SQLite

&

Javascript

Future Upgrades



The web framework for
perfectionists with deadlines.

[OVERVIEW](#) [DOWNLOAD](#) [DOCUMENTATION](#) [NEWS](#) [COMMUNITY](#) [CODE](#) [ABOUT](#) [▼ DONATE](#)

Django was invented to meet fast-moving newsroom deadlines, while satisfying the tough requirements of experienced Web developers.

Why Django?

With Django, you can take Web applications from concept to launch in a matter of hours. Django takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.



Ridiculously fast.

Django was designed to help developers take applications from concept to completion as quickly as possible.

[SEE HOW FAST YOU CAN START BUILDING >](#)

Fully loaded.

Django includes dozens of extras you can use to handle common Web development tasks. Django takes care of user authentication, content administration, site maps, RSS feeds, and many more tasks — right



Sun 06:18

PostgreSQL: The

Secure | https://www.postgresql.org



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31th August 2017

2017-08-31 Updates and PostgreSQL 10 Beta 4 Released!

The PostgreSQL Global Development Group is pleased to announce the availability of PostgreSQL 10 Beta 4 and updates to all supported versions of our database system, including 9.6.5, 9.5.9, 9.4.14, 9.3.19, and 9.2.23.

PostgreSQL 10 Beta 4 is the fourth beta release of the upcoming version 10 of PostgreSQL, and fixes a number of issues found since the third beta release. Please download and test the beta code with your applications and report any issues you may find.

- » [Release Announcement for 10 Beta 4](#)
- » [Release Notes for PostgreSQL 10](#)
- » [Download 10 Beta 4](#)
- » [Release Announcement for new releases](#)

» LATEST RELEASES

9.6.5 · Aug. 31, 2017 · [Notes](#)
9.5.9 · Aug. 31, 2017 · [Notes](#)
9.4.14 · Aug. 31, 2017 · [Notes](#)
9.3.19 · Aug. 31, 2017 · [Notes](#)
9.2.23 · Aug. 31, 2017 · [Notes](#)

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React

A JAVASCRIPT LIBRARY FOR BUILDING USER INTERFACES

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Declarative

React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

Declarative views make your code more predictable and easier to debug.

Component-Based

Build encapsulated components that manage their own state, then compose them to make complex UIs.

Since component logic is written in JavaScript instead of templates, you can easily pass rich data through your app and keep state out of the DOM.

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We don't make assumptions about the rest of your technology stack, so you can develop new features in React without rewriting existing code.

React can also render on the server using Node and power mobile apps using [React Native](#).

A Simple Component

Sun 06:24

Channa Mereya x overflow y:scroll x openssl - Google x OS /index.html x

Secure | https://www.openssl.org

OpenSSL

Cryptography and SSL/TLS Toolkit

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Welcome to OpenSSL!

OpenSSL is a robust, commercial-grade, and full-featured toolkit for the Transport Layer Security (TLS) and Secure Sockets Layer (SSL) protocols. It is also a general-purpose cryptography library. For more information about the team and community around the project, or to start making your own contributions, start with the [community](#) page. To get the latest news, download the source, and so on, please see the sidebar or the buttons at the top of every page.

OpenSSL is licensed under an Apache-style license, which basically means that you are free to get and use it for commercial and non-commercial purposes subject to some simple license conditions.

For a list of vulnerabilities, and the releases in which they were found and fixes, see our

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RSA and ECC in JavaScript

The `jsbn` library is a fast, portable implementation of large-number math in pure JavaScript, enabling public-key crypto and other applications on desktop and mobile browsers.

Demos

- [RSA Encryption Demo](#) - simple RSA encryption of a string with a public key
- [RSA Cryptography Demo](#) - more complete demo of RSA encryption, decryption, and key generation
- [ECDH Key Agreement Demo](#) - Diffie-Hellman key agreement using elliptic curves

Source Code

The API for the `jsbn` library closely resembles that of the `java.math.BigInteger` class in Java. For example:

```
x = new BigInteger("abcd1234", 16);
y = new BigInteger("beef", 16);
z = x.mod(y);
alert(z.toString(16));
```

will print `b60c`.

Core Library

- [jsbn.js](#) - basic `BigInteger` implementation, just enough for RSA encryption and not much more.
- [jsbn2.js](#) - the rest of the library, including most public `BigInteger` methods.

RSA

- [rsa.js](#) - implementation of RSA encryption, does not require `jsbn2.js`.
- [rsa2.js](#) - rest of RSA algorithm, including decryption and keygen.

ECC



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▶ Getting Started

📺 Refer a Friend

Total Receivables ?

Total Receivables ₹233,279.70



CURRENT

₹106,812.00

OVERDUE

₹126,467.70 ▾

Total Payables ?

Total unpaid bills ₹594.50



CURRENT

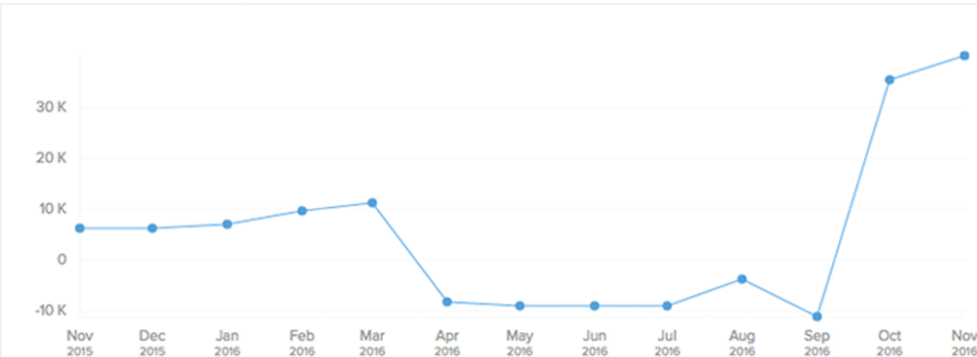
₹500.00

OVERDUE

₹94.50 ▾

Cash Flow ?

This Fiscal Year ▾



Cash as on 04.01.16

₹19,875.15

Incoming

₹63,052.45 +

Outgoing

₹114,907.00 -

Cash as on 03.31.17

₹-31,979.40 =

Income and Expense ?

This Fiscal Year ▾

Accrual

Cash

Your Top Expenses ?

This Fiscal Year ▾



Chat with our experts

Share an example and don't have your own hosting, consider using [Crisp](#) and [Blocks.org](#). If you want to share or view live examples try [runnable.com](#) or [vida.io](#).

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