

1
00:00:01,070 --> 00:00:02,230
My name is Shrijan Pokharel. I'm from
2
00:00:02,230 --> 00:00:03,870
Batch 31 A. So this is my mobile
3
00:00:03,870 --> 00:00:05,470
application project. Here I've tried to
4
00:00:05,470 --> 00:00:07,190
implement a cloud kitchen kind of concept
5
00:00:07,190 --> 00:00:08,831
for mother and children. It is basically
6
00:00:08,831 --> 00:00:11,231
a food delivery app. So these are the
7
00:00:11,231 --> 00:00:12,751
technologies that I have implemented in
8
00:00:12,751 --> 00:00:15,111
my project. I've used Khalti in order to
9
00:00:15,111 --> 00:00:16,951
payment gateway. User can also choose
10
00:00:16,951 --> 00:00:19,031
cash on delivery. It's between them to
11
00:00:19,031 --> 00:00:20,831
choose whatever they like. So Hive is
12
00:00:20,831 --> 00:00:23,671
implemented in order to store the
13
00:00:23,671 --> 00:00:26,432
local data. Riverpod is used for state
14
00:00:26,432 --> 00:00:29,312
management system In flutter. The
15
00:00:29,312 --> 00:00:32,082
backend used are nodeJS and Express.
16
00:00:32,592 --> 00:00:34,992
It is done in complete MVVM pattern. So
17
00:00:34,992 --> 00:00:37,712
MongoDB is used to secure the data
18
00:00:38,992 --> 00:00:41,153
and store it. So Mongoose is used in

19
00:00:41,153 --> 00:00:43,473
order to connect with MongoDB. So this is
20
00:00:43,473 --> 00:00:46,313
user flow of my project. Here a user
21
00:00:46,313 --> 00:00:47,993
will be redirected to splash screen and
22
00:00:47,993 --> 00:00:49,513
when they will be redirected to the
23
00:00:49,513 --> 00:00:51,233
splash screen they have the option to
24
00:00:51,233 --> 00:00:53,153
choose between login and register. They
25
00:00:53,153 --> 00:00:55,914
can choose one in between them and they
26
00:00:55,914 --> 00:00:57,554
will be redirected to home screen. As
27
00:00:57,554 --> 00:00:59,194
soon as they redirect to the home screen
28
00:00:59,474 --> 00:01:02,434
they can Choose and add to the favoritie
29
00:01:02,434 --> 00:01:04,314
s also they can CRUD
30
00:01:05,394 --> 00:01:07,314
review. They can also update their
31
00:01:07,314 --> 00:01:09,914
profile accordingly. They can use
32
00:01:10,154 --> 00:01:12,595
search bar. When they will use search bar
33
00:01:12,955 --> 00:01:15,675
they can add to the cart of that item
34
00:01:15,995 --> 00:01:18,915
and they can pay on delivery or they
35
00:01:18,915 --> 00:01:21,715
can pay by khalti so that's between them
36
00:01:21,915 --> 00:01:23,395
and they will be redirected to the order

37
00:01:23,395 --> 00:01:25,235
screen confirmation. So this is what my
38
00:01:25,235 --> 00:01:27,235
project is all about. I am going to
39
00:01:27,235 --> 00:01:30,196
demonstrate GitHub so I have
40
00:01:30,196 --> 00:01:32,846
more than 6. I have nearly about 6
41
00:01:32,846 --> 00:01:33,366
branches.
42
00:01:35,806 --> 00:01:38,686
And I have merged all these branches
43
00:01:39,406 --> 00:01:41,766
and I have also more than 50 commits.
44
00:01:43,527 --> 00:01:45,087
So I have done it in timely.
45
00:01:48,367 --> 00:01:50,807
You can see the date I've done it in
46
00:01:50,927 --> 00:01:53,877
timely. And updated it regularly.
47
00:01:56,197 --> 00:01:59,077
Now I'm going to show you the sign up and
48
00:01:59,558 --> 00:02:02,398
login process of my app,
49
00:02:02,678 --> 00:02:03,638
so I'm going to.
50
00:02:07,248 --> 00:02:08,128
Provide the data.
51
00:02:15,889 --> 00:02:17,089
Now I'm going to login it.
52
00:02:19,149 --> 00:02:20,789
But before logging I'm going to show you
53
00:02:20,789 --> 00:02:23,349
the validation, so I have not provided
54
00:02:23,349 --> 00:02:25,029
the real data.

55
00:02:29,269 --> 00:02:31,630
So let's see for the validation, user not
56
00:02:31,630 --> 00:02:33,550
registered as I not provide the real
57
00:02:34,150 --> 00:02:36,710
data. So once I provide the real data, I
58
00:02:36,710 --> 00:02:38,750
will be redirected to the home page. So
59
00:02:38,750 --> 00:02:40,590
in home page user can explore the
60
00:02:41,110 --> 00:02:43,270
different kind of discount going on. They
61
00:02:43,270 --> 00:02:45,230
can search for the product, they can look
62
00:02:45,230 --> 00:02:46,710
after the cart items.
63
00:02:50,171 --> 00:02:52,691
And we can enable or disable.
64
00:02:54,931 --> 00:02:56,451
The light mode and dark mode according to
65
00:02:56,451 --> 00:02:58,091
their preference. They can also view the
66
00:02:58,091 --> 00:03:00,451
category, They can view the product, They
67
00:03:00,451 --> 00:03:02,691
can add product to the wish list.
68
00:03:07,302 --> 00:03:08,662
So the wish list would be updated
69
00:03:08,662 --> 00:03:10,582
accordingly. They can also search for the
70
00:03:10,582 --> 00:03:11,062
product.
71
00:03:15,342 --> 00:03:16,462
Searching is working fine.
72
00:03:21,403 --> 00:03:24,323
So now let's

73
00:03:24,323 --> 00:03:26,403
go and add some product in cart.
74
00:03:27,243 --> 00:03:30,203
So let's add it to the cart and.
75
00:03:31,203 --> 00:03:32,323
Review this product.
76
00:03:40,014 --> 00:03:41,614
Review successfully added.
77
00:03:45,594 --> 00:03:47,354
And the product is placed in cart.
78
00:03:48,324 --> 00:03:51,084
So I'm going. For the checkout
79
00:03:51,085 --> 00:03:53,925
process in a while, so
80
00:03:53,925 --> 00:03:55,485
from here I can also edit the
81
00:03:55,485 --> 00:03:58,245
information. And continue.
82
00:04:01,225 --> 00:04:03,925
I can also log out. So right now I'm
83
00:04:03,925 --> 00:04:06,645
going to show the checkout process I need
84
00:04:06,645 --> 00:04:09,586
to Provide my
85
00:04:09,786 --> 00:04:11,786
full name, phone number
86
00:04:15,966 --> 00:04:16,806
And address.
87
00:04:19,996 --> 00:04:22,476
So I will be redirected to the payment
88
00:04:22,596 --> 00:04:25,157
process where I can choose cash on
89
00:04:25,157 --> 00:04:27,317
delivery or Khalti. So right now I'm
90
00:04:27,317 --> 00:04:29,967
going to choose Kalti. I

91
00:04:30,327 --> 00:04:31,087
need to provide
92
00:04:35,987 --> 00:04:38,908
Real khalti numbers. Right now
93
00:04:38,908 --> 00:04:40,588
I'm just providing the random data.
94
00:04:48,238 --> 00:04:49,998
If I would have provided the real data,
95
00:04:50,518 --> 00:04:52,878
this would have been completed, but since
96
00:04:52,878 --> 00:04:55,679
this data is just dummy data it is
97
00:04:56,279 --> 00:04:59,089
not working. And the error is of
98
00:04:59,529 --> 00:05:01,289
MPN has been locked.
99
00:05:02,329 --> 00:05:04,609
Because the data is not valid, so I'm
100
00:05:04,609 --> 00:05:06,209
going to pay from cash on delivery.
101
00:05:07,369 --> 00:05:09,489
So the order has been successfully placed.
102
00:05:12,560 --> 00:05:14,880
Now I'm going to stop
103
00:05:17,640 --> 00:05:19,240
debugging so that I can show
104
00:05:21,620 --> 00:05:24,340
The use of shared preference or
105
00:05:24,340 --> 00:05:26,501
hype as a local data storage.
106
00:05:26,941 --> 00:05:29,181
As user don't need to log in
107
00:05:29,461 --> 00:05:32,301
again to the app, they
108
00:05:32,301 --> 00:05:34,021
need to be redirected directly to the

109
00:05:34,021 --> 00:05:36,931
homepage. Because they have already
110
00:05:36,931 --> 00:05:38,851
registered in this app.
111
00:05:40,941 --> 00:05:42,582
You can see user has been directly
112
00:05:42,582 --> 00:05:45,422
redirected to the homepage
113
00:05:45,422 --> 00:05:47,622
as they don't need to log in again. Now
114
00:05:48,382 --> 00:05:49,342
I'm going to show you the Hive
115
00:05:49,342 --> 00:05:51,902
implementation process of my project. You
116
00:05:52,222 --> 00:05:55,062
can see when I've turn off the Wi-Fi, the
117
00:05:55,062 --> 00:05:57,342
data is just loaded as in form of text
118
00:05:57,342 --> 00:06:00,223
and is not in the picture. It's just data
119
00:06:00,223 --> 00:06:01,743
from the local storage that is being
120
00:06:01,743 --> 00:06:04,173
displayed over here. You can see the only
121
00:06:04,173 --> 00:06:05,373
data from local storage.
122
00:06:09,923 --> 00:06:10,722
But as soon as I'd turn on
123
00:06:20,024 --> 00:06:20,184
Wi-Fi.
124
00:06:23,604 --> 00:06:25,284
You can see the data are being refreshed
125
00:06:25,324 --> 00:06:28,004
and loaded. So
126
00:06:28,284 --> 00:06:30,325
the data has been fetched from API now as

127
00:06:30,325 --> 00:06:33,225
I've turn on the Wi-Fi. Now I'm
128
00:06:33,225 --> 00:06:35,105
going to show the test case of this
129
00:06:35,105 --> 00:06:37,265
project. I've done the unit test and
130
00:06:37,265 --> 00:06:38,385
integration test.
131
00:06:45,565 --> 00:06:47,086
So you can see the testing is taking some
132
00:06:47,086 --> 00:06:47,406
time.
133
00:06:52,996 --> 00:06:54,396
I've done enough testing 50+ of this
134
00:06:54,396 --> 00:06:54,796
project.
135
00:07:06,247 --> 00:07:07,687
So you can see the 51 test has been
136
00:07:07,687 --> 00:07:09,327
passed and 22 test has been failed.
137
00:07:10,417 --> 00:07:11,137
So you know.
138
00:07:15,217 --> 00:07:17,577
You can see the coverage of testing.
139
00:07:25,688 --> 00:07:27,048
This is how testing has been implemented
140
00:07:27,048 --> 00:07:28,448
in my project. I'm going to demonstrate
141
00:07:28,448 --> 00:07:30,288
my project in tablet in order to show the
142
00:07:30,288 --> 00:07:31,568
responsiveness of this app.
143
00:07:34,149 --> 00:07:36,109
You can see the categories in the
144
00:07:36,109 --> 00:07:36,709
products.

145
00:07:39,529 --> 00:07:41,809
You can also click on product and see the
146
00:07:41,809 --> 00:07:42,689
responsiveness.
147
00:07:47,769 --> 00:07:49,569
It is completely responsive app.
148
00:07:50,900 --> 00:07:53,020
So you can see I'm going to log out.
149
00:07:58,070 --> 00:07:58,870
This app is complete inresponsive tablet
150
00:07:58,910 --> 00:08:00,790
as well as in mobile. Thank you.
151
00:08:03,220 --> 00:08:05,220
In this section you can see the app has
152
00:08:05,220 --> 00:08:07,941
been demonstrated in physical device. It
153
00:08:07,941 --> 00:08:09,301
can be used in any kind of physical
154
00:08:09,301 --> 00:08:12,101
device as it is responsive. It has also
155
00:08:12,101 --> 00:08:14,101
got sensor, light mode and dark mode
156
00:08:14,101 --> 00:08:17,061
sensor as well as the
157
00:08:17,061 --> 00:08:19,341
shake sensor. The shake sensor will be
158
00:08:19,341 --> 00:08:22,302
implemented whenever user need to
159
00:08:22,542 --> 00:08:24,982
load more data, more product from API
160
00:08:25,462 --> 00:08:27,822
so they can perform the shake sensor and
161
00:08:27,822 --> 00:08:29,942
the data will be loaded from API as well
162
00:08:29,942 --> 00:08:31,902
as in case of dark mode and light mode.

163
00:08:34,832 --> 00:08:36,512
It's completely dependent upon users
164
00:08:36,512 --> 00:08:39,113
preference in order to use it. So
165
00:08:39,273 --> 00:08:41,033
that's how my project has been
166
00:08:41,033 --> 00:08:42,273
implemented. Thank you.