

# Vertical App Development For Beginners



## Hands On Exercises

This practice guide contains exercises that you can use to try to build an application on the Zoho Developer Console. Refer the course material for stepwise instructions to complete each exercise.

**Exercise 1:**

Create a new 'Job Cards' module and rename the Invoices modules as given in the table.

Module Name	Nature of the Module	Profile Permissions
Repair Bills	Renamed from Invoices	Admin, Standard, Service Adviser
Job Cards	Custom module	Admin, Service Adviser, Technician

**Exercise 2:**

Once you have added the Customers and Vehicles module as mentioned in unit 1, create the following custom fields in those modules as given in the table below.

Modules and Sections	Custom Fields	Type
<b>Customers</b> - general section	Person's Name	Single Line
	Customer GSTN	Single Line
	Country of Birth	Single Line
	Company	Single Line
	Job Title	Single Line
<b>Customers</b> - Address Information	Country	Dropdown Menu
	State	Dropdown Menu
	City	Dropdown Menu
	Street Address	Single Line
<b>Vehicles</b> - general section	Vehicle Contact	Look up

	Color	Dropdown Menu
	Registration Number	Single Line
	Manufacturer	Dropdown Menu
	Car Model	Dropdown Menu
	Chassis Number	Single Line
	Fuel Type	Dropdown Menu
	Transmission	Dropdown Menu
	Fuel Capacity	Single Line
	Last Service Date	Date
	Vehicle Capacity	Single Line
	Next Service Date	Date
	Engine Displacement	Single Line
	Distance Travelled	Single Line
	Total Distance Travelled (till day)	Single Line
	Last Service Done (odometer reading)	Single Line
	Next Service Due (odometer reading)	Single Line
	Kilometres Remaining Till Next Service	Single Line

**Exercise 3:**

Create the following custom fields in the Job Cards module as given in the table.

<b>Job Cards</b> - general section	Customer Name	Lookup
	Service IN Date	Date
	Service Type	Dropdown Menu
	Vehicle	Lookup
	Due Date	Date
	Kilometres Travelled	Number
	Service Status	Dropdown Menu
	Registration Number	Single Line
	Pick Up Date & Time	Date/Time
	Rough Estimate	Single Line
	Driver Name	Single Line
	Total Amount	Single Line
	Total Time Spent On Service (in hrs)	Single Line
	Arrived Service Type	Single Line

**Exercise 4:**

Add the following custom fields to the Repair Bills module as given in the table.

<b>Repair Bills</b> - general section	Repair Invoice Number	Auto Number
	Job Card	Lookup
	Payment Type	Dropdown Menu
	Vehicle Registration Number	Single Line
	Credit Card Last 4 Digits	Number
	Vehicle	Lookup
<b>Repair Bills</b> - Spares and Labor Calculation	Spares Total	Currency
	Labor Total	Currency
	CGST & SGST Tax System	Checkbox
	IGST Tax System	Checkbox

<b>Repair Bills</b> - Total Calculation	Spares Tax Amount	Currency
	Spares Total After Tax	Currency
	Labor Tax Amount	Currency
	Labor Total After Tax	Currency
	Total Cost	Currency
	Discount to be Applied	Currency
	Adjustments	Currency
	Grand Total Amount	Currency

**Exercise 5:**

Create a page layout for 'Four Wheeler' after adding the following custom field in the Vehicles module's general section.

**Custom field - "Steering Type" - Single Line.**

**Exercise 6:**

Rename the Related List created for the Vehicles Module to My Vehicles for Service and add the fields *Fuel Type* and *Fuel Capacity* into it.

**Exercise 7:**

Create a custom single line field named *Tyre Brand* in Repair Bills Module. Place a custom button Get Review in Record details page which will redirect the user to the following link

URL: <http://www.tyreviews.co.uk/Tyre/{tyre brand}>.

**Exercise 8:**

Create a link called Identify Vehicle Address in Vehicles module which will redirect you to the following URL that displays the vehicle address by obtaining the vehicle registration number from the user.

URL : <http://www.techdreams.org/trace-vehicle>

**Exercise 9**

- Create an email template titled 'Birthday Wishes' to greet customers on their birthday.
- Create a sample invoice template which gets data from the Address, Bill Amount, Quantity, and Bank details once a job card is closed.

**Exercise 10:**

Create a workflow automation to send an email to customers wishing them on their birthday. Use the Birthday Wishes email template you had created in the previous exercise.

**Exercise 11:**

Create a custom button named Add Job Card in Vehicles module. The button should be placed in the List View Page - Button for each record. Clicking this button should take to you to the Create Job Card page.

**Exercise 12:**

Create a Related List named Service History in Vehicles module which should fetch the Service in Date and Service Type details from the Job Cards.

**Exercise 13:**

Update the Due Date field with appropriate value in Job Cards module whenever a record is created or edited for the first time. The value in the Due Date field should get updated one day after the rule trigger.

**Exercise 14:**

Display a reminder one week before the Next Service Date Due.

**Exercise 15:**

Assign the amount to the Rough Estimate field of Job Cards module based on the Service Type selected. Assign the estimate based on the following service type.

Express Check - Interim Service - INR 1000

General Service - INR 800

Full Service - INR 1200

Repair Service - INR 700

Body-shopping - INR 850

General Service & Repair - INR 1500

General Service-Repair-Body Shop - INR 2000