

CHANNEL PARTNER APPLICATION

Instructions for Development Firm

Please note the instructions carefully before starting work on the project :

1. Kindly read the document carefully to understand (a) the scope of the project (b) the requirements of the project (c) the deliverables (d) Delivery time frame
2. Please ensure that all aspects are understood and clarifications sought before starting work. This will enable smooth and speedy development of the project
3. Some important background reading about the business can be found here:
 - a. Website – www.dtrac.in
 - b. Facebook – <https://www.facebook.com/DTrac-114143705929182/>
 - c. Android – <https://play.google.com/store/apps/details?id=deliverytrack.vss.com.deliverytrack&hl=en>
4. The project needs to be designed to the following technical specifications
 - a. LAMP Stack
 - b. Server: VPS hosted by GoDaddy on Linux with PHP Version 5.5
5. The entire project would be coordinated through GitHub. Firms are required to share their GitHub ID for the invite.
6. All code would be shared through GitHub and would be pulled into project through GitHub only
7. The following information would be provided once the project has been allotted
 - a. Samples of PHP code for reference
 - b. Tables and APIs relevant to this project
 - c. Glossary of important terms used in business

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1. INTRODUCTION

1.0 Purpose

- DTrac would like to enable android application functionality for Channel Partner users.
- Channel Partner are of 3 types: Delivery Manager, Skill development firms, Manpower Agencies.
- This module is designated as Channel Partner Version 1.0 and is designed to help setup the basic application to help channel partner operate all the web functionalities using their application.
- This application will be built only to support Delivery manager kind of channel partner.

1.1 Business Deliverables

The BUSINESS goals of this project are the following:

- All registered Channel Partners (Delivery Managers) who are eligible would be able to login. [Restricted login based on UserType]
- Channel Partners (Delivery Managers) will be able to login in the app not anyone else.
- Channel Partner (Delivery Manager) will be using this application to perform all sort of functionalities that they were previously doing from their Web application.

1.2 Technology Project Specifications

1. We follow a 3 layer architecture – hence, all push to tables and pull from tables need to be enabled through APIs
2. Deliverables of this project include
 - a. All relevant web forms
 - Standard designs / templates would be provided. Kindly use the same template styles
 - Web forms to be designed in PHP Version <> in an <>framework
 - Kindly check the Google Folder for samples of PHP to ensure consistency in nomenclature
 - The Web Application must satisfy the MVC Architecture standards.
 - b. All tables
 - The key tables relevant to your project are already existing in the database
 - Before making any new tables, kindly check with project coordinator once to avoid duplication of efforts
 - Once go ahead is received, kindly make only the additional relevant tables for your project

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- c. All APIs
 - Kindly check the Google Folder for samples of PHP APIs to ensure consistency in nomenclature
 - All APIs relevant to your project will be shared with you within google folder
 - In any newer APIs are to be developed, kindly check with the project coordinator once to avoid duplication of efforts
 - Once go ahead is received, kindly make only the additional relevant APIs for your project

1.3 Definitions, Acronyms and Abbreviations

- **Restaurants:** DTrac's clients to whom all sort of services are offered through our web technology.
- **Outlet:** Outlet acts as child of restaurant (Parent).
- **Channel Partner:** Channel partner's prime responsibility is to manage the restaurant. By providing them services through DTrac. Channel Partner are of 3 types Delivery Manager, Skill Development Firms & Man power agencies.
- **Delivery Manager:** They are child of parent type – Channel Partner. Prime responsibilities are
 - Provide staff adequately for the deliveries in particular assigned areas or restaurants.
 - Ensure delivery staff are trained completely.
 - Track orders as they are assigned and manage deliveries through DT technology. (Here web application is available)
 - Arrange back-ups and when required.
- **Delivery Agent (DA) /Agent:** are mapped to particular channel partner. Whose prime responsibility is to do deliveries for Restaurants that are assigned to their delivery managers.
- **DA Top up:** Delivery manager is responsible for top up of his DA's wallet. In case they accept the Post Paid orders (payment on delivery) so that particular amount is debited from their DA wallet.
- **CRM:** Application where channel partners can look all the restaurant leads assigned, can add new agents + restaurant leads and manage them.
- **Fixed Freelancer Request (FF Request):** Request posted for inviting any delivery agent for a fixed time period slot. FF request goes to all nearby delivery agents.
- **Orders:** Orders basically refers to the delivery orders which are posted by restaurant and accepted by DAs through their application during their fixed freelancer slot.

1.4 Key Points

- Before starting this project freelancer will be required to understand the current web portal and will be required to register himself as one of the user.
- Complete environment will be set for the Freelancer for testing

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- All use cases will be provided for testing.
- After 3 cycles of aggressive testing. Project will be marked closed.
- All API's developed by the team are listed under section 5. After reading the project if Freelancer wants any table or API to be built then kindly check with the project coordinator once to avoid duplication of efforts
- Once go ahead is received, kindly make only the additional relevant APIs for your project or will be provided by In - House
- Phase 1 – Where all wire frames, process and API list will be shared. Phase 2 – after approvals coding can be started on the project.

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2. OVERALL SPECIFICATIONS

- Required a simple android based application where the delivery manager can manage complete web functionality through mobile app.
- Currently dashboard is having following functionalities
 - Side bar menu:
 - Dashboard
 - Agents
 - Outlets
 - Orders
 - DA Top Up
 - CRM
 - Header:
 - Account
 - Wallet Top Up
 - Logout

2.0 Architecture

It must be a 3 tier architecture, Where each and every tier can be upgraded,modified, developed and maintained independently.

Presentation tier: The Web Application.

Application or logic tier: The REST API and business logics.

Data tier: Database

The Web Application must satisfy the MVC Architecture standards.

2.1 Dashboard


- **Dashboard** displays the following:
 - Latest 10 orders: All top 10 orders posted by assigned restaurant are visible under this section.
 - Top 10 fixed freelancer request: All top fixed freelancer request posted by restaurants are visible here.
 - List of 10 agents: List of 10 latest delivery agents appear here (Because there may be 20+ delivery agents assigned to particular delivery manager).

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2.1.1 Screen

Account ▾ | Wallet Topup |

Logout



User Total Balance : 602.00

<

Dashboard

Dashboard ▸

Agents ▸

Outlets ▸

Orders ▸

DA Topup ▸

CRM ▸

Dashboard

Latest 10 orders

Order name	Amount	Outlet name	Status	Agent name	Order time
------------	--------	-------------	--------	------------	------------

Top 10 Fixed Freelancer requests

Outlet Name	Date from	Date to	Slot amount	Status
-------------	-----------	---------	-------------	--------

List of 10 Agents

Agent Name	Phone	City	Balance	Login Status
Prince Kumar	9999859299		100.00	null
testanshul	9457851137	Delhi	3212.99	0
Pawan Kumar Sengar	9818710471	New Delhi	40.00	0
test	9790880140	Chennai	300.00	1
Riyatestlive2	9811720804	Delhi	300.00	0

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2.2 Agents

- **Agents** section displays all the agents that are assigned to that particular delivery manager.
- All possible filters come at the top: Agent name or phone, city based filter, Number of records display filter. Initially it displays 20 records.
- Delivery manager can deactivate the agent also from the given “Deactivate button”

2.2.1 Screen

Account ▾ | Wallet Topup | Logout

User Total Balance : 602.00

Agent name or phone Select City 20 records

Filter Clear Filter

Agent Name	Phone	City	Balance	Login Status	Last Location	
Prince Kumar	9999859299		100.00	Logged Out		Activate
testanshul	9457851137	Delhi	3212.99	Logged Out	Byelane 1, Maligaon, Guwahati, Assam 781012, India	Deactivate
Pawan Kumar Sengar	9818710471	New Delhi	40.00	Logged Out	20, Ram Gidwani Marg, National Park, Lajpat Nagar, New Delhi, Delhi 110024, India	Deactivate
test	9790880140	Chennai	300.00	Logged In	1/304, Kalatthu Mettu St, Sangam Colony, Kottivakkam, Chennai, Tamil Nadu 600041, India	Deactivate
Riyatestlive2	9811720804	Delhi	300.00	Logged Out	BJ-145, Club Rd, Block BJ, West Shalimar Bagh, Shalimar Bagh, Delhi, 110088, India	Deactivate

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2.3 Outlets

- **Outlets** section is having 2 sub-sections:
 - **All Outlets**
 - **Fixed Assignments**
- **All Outlets** sub-section will display all the outlets that are assigned to that particular delivery manager.
 - There are sorting filters: Outlet Name or Phone, City Filter, Number of Records display filter
- **Fixed Assignments** sub-section will display all the **FF assignments** that are **accepted** by the **delivery agents** of that **delivery manager**.
 - There are sorting filters: Outlet based, Agent based, Status of FF slot based and Number of Records display

2.3.1 Screens

Outlet Name	Manager	Phone	City	Assigned to
Katwariya sarai attendance		1122332211	Delhi	Vikas Jain
Kalkaji Attendance		9911223344	Delhi	Vikas Jain
Lodhi Road attendance		1122334444	Delhi	Vikas Jain
Sector 51 Noida Attendance		9911223333	Noida	Vikas Jain
Sector 62 attendance		9911223311	Delhi	Vikas Jain
Noida 104 Attendance		9911222222	Noida	Vikas Jain
SDA market Attendance		9911111144	Delhi	Vikas Jain
Prashant Vihar attendance		9911111155	Delhi	Vikas Jain
Sector 15 Gurgaon attendance		9911111177	Gurgaon	Vikas Jain

Screen: Displaying Outlets section

Outlet Name	Date From	Date To	Slot Amount	Status	Agent name	Agent Contact
Defence colony	2017-10-17 17:00:00	2017-10-18 17:30:00	1	Cancelled		
Defence colony	2017-10-17 13:45:00	2017-10-18 15:45:00	1	Cancelled		
Defence colony	2017-10-17 12:30:00	2017-10-17 14:00:00	1	Completed	testanshul	
Defence colony	2017-10-17 11:30:00	2017-10-18 12:30:00	1	Cancelled		
Defence colony	2017-10-17 11:15:00	2017-10-17 11:45:00	1	Completed	testanshul	
Defence colony	2017-10-15 11:30:00	2017-10-16 12:30:00	2	Cancelled		
Defence colony	2017-10-14 13:15:00	2017-10-14 13:30:00	1	Cancelled		
Defence colony	2017-10-14 13:00:00	2017-10-14 13:30:00	1	Cancelled		

Screen: Displaying Fixed assignments

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2.4 Orders

- Under every fixed freelancer request there are certain orders that are accepted by delivery agents and delivered. **Orders** section basically displays that.
- Sorting filters are: Number of Orders displayed, status of the order, specific agent based and specific outlet based.
- Specific reports can be filtered using filter and downloaded.
- Orders can be re assigned too. (Re assign Button)

2.4.1 Screen

The screenshot displays the 'View Orders' interface. At the top, there's a navigation bar with 'Account' and 'Wallet Topup' links, and a 'Logout' button. Below this, a sidebar on the left lists various sections: Dashboard, Agents, Outlets, Orders, DA Topup, and CRM. The main content area is titled 'Orders' and features a filter section with dropdowns for '20 records', 'Select Status', 'Select Agent', and 'Select Outlet'. Below the filter section are three buttons: 'Filter' (green), 'Clear Filter' (red), and 'Download' (blue). The main table lists orders with the following data:

Order name	Address	Amount	Status	Payment Mode	Outlet name	Agent name	Order time
test	tes	1.00	PickedUp	Prepaid	Defence colony	testanshul	2017-08-09 12:02:38
Test anshul AA	test	0.00	Delivered	Prepaid	Defence colony	testanshul	2017-07-21 17:27:34
testanshul	test	10.00	Delivered	Postpaid	Defence colony	testanshul	2017-07-21 16:04:37
test	gsgs	100.00	Delivered	Postpaid	Defence colony	testanshul	2017-07-19 10:39:02
test	Amar colony market, lajapat nagar 4	1.00	Delivered	Prepaid	Defence colony	testanshul	2017-07-18 18:37:21

Each row in the table has a 'Re-assign' button next to the 'Order time' column. The bottom of the screen shows a Windows taskbar with various application icons and a system tray indicating the time as 2:25 PM on 11/16/2017.

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2.5 DA Top Up

- Each and every delivery manager is required to Top Up his DA's wallet with a certain amount in case of Post-paid orders and at the time of delivery that amount is debited from DA wallet.
- Here Agent name is selected, specific amount and comment is added. Amount mentioned is added to the DA wallet and debited from the delivery manager's wallet.

2.5.1 Screen

The screenshot displays a web browser window with multiple tabs open, including 'Inbox (3) - riya@zik...', 'My Drive - Google', 'Inbox (14) - riya@...', 'CP API Documents', 'Server Dashboard', 'cPanel - Main', and 'DA Topup'. The address bar shows the URL 'dtrac.in/cp/da-topup.php' with a 110% zoom level. The browser's most visited section lists 'Web Admin Login - ri...', 'Inbox (13) - riya@ziksa...', 'Getting Started', 'Link', and 'Leaflet Distribution Se...'. The application interface features a dark sidebar with a navigation menu containing 'Dashboard', 'Agents', 'Outlets', 'Orders', 'DA Topup', and 'CRM'. The main content area is titled 'DA Topup' and contains a form with the following fields: 'Select Agent*' (a dropdown menu currently showing '--Select--'), 'Amount*' (a text input field with the placeholder 'Amount'), and 'Comment' (a text input field with the placeholder 'Comment'). A green 'Submit' button is positioned below the comment field. The top right of the application shows a 'Logout' link and the user's 'Total Balance : 602.00'. The Windows taskbar at the bottom includes a search bar, several application icons, and system status information indicating the time as 2:31 PM on 11/16/2017.

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2.6 CRM

- **CRM** is having 4 sub-sections:
 - **Restaurant Leads**
 - **Agent Leads**
 - **Add Restaurant Leads**
 - **Add Agent Leads**
- **Restaurant Leads** sub section display list of all restaurant leads with status, assigned to, last updated by, notes etc
- **Agent Leads** sub section display all agent leads with status, assigned to, last updated by, notes etc
- **Create Restaurant lead** sub section display all the details that are required to enter a new lead in CRM. Delivery manager will be required to fill them to create a new lead.
- **Create Agent Lead** sub section display all the details that are required to enter a new lead in CRM. Delivery manager will be required to fill them to create a new lead.

2.6.1 Screens

user: total balance: .

Restaurant Leads

Assigned by: Select Pincode: Select status: Brand / Company: 20 Updated from:

Updated to: Created from: Created to:

Assign to Filter Clear Filter

<input type="checkbox"/>	Brand	Company	Address	Status Time	Status	Note	Updated By	Create At	Assigned By			
<input type="checkbox"/>	Biryani Blues		Building No-2 Corner Market, Ground Floor, Maharishi Dayanand Marg, Corner Market, Sadhna Enclave, Malviya Nagar, New Delhi, Delhi 110017	2017-08-14 14:28:57	Warm	shown interest in pamphlet distribution	Pawan	2017-06-07 22:22:26			View contacts	Update status ✎
<input type="checkbox"/>	KFC	Yum brands	Yum! Restaurants (India) Pvt. Ltd. Global Business Park Tower D, 12 Floor Gurgaon	2017-08-18 09:30:32	Warm	Met devyani and sapphire partner they shown interest and will revert after	Pawan	2017-06-07 11:53:31			View contacts	Update status ✎

dtrac.in/cp/agent-leads.php

Screen: Displaying Restaurant Leads

All sorting filters can be viewed in the above screenshot.


API's for the same will be provided.

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Account ▾ | Wallet Topup |

Logout ^

User Total Balance :



<

Home

Create Restaurant Lead

Dashboard ▸

Agents ▸

Outlets ▸

Orders ▸

DA Topup ▸

CRM ▾

Restaurant Leads

Agent Leads

Create Restaurant Leads

Create Agent Leads

Create New Lead

Brand*

Brand name

Company Name

First name

Address

Address

Pincode

Pincode

Add Contact Details

Mr ▾

First Name

Last Name

Phone (comma separated)

Email

Designation

+


Submit

Screen: Create Restaurant Lead Page
API's for the same will be provided

Account ▾ | Wallet Topup |

Logout ^

User Total Balance :



<

Home

Create Agent Lead

Dashboard ▸

Agents ▸

Outlets ▸

Orders ▸

DA Topup ▸

CRM ▾

Restaurant Leads

Agent Leads

Create Restaurant Leads

Create Agent Leads

Create New Lead

First name*

First name

Last Name

Last name

Address

Address

Pincode

Pincode

Add Contact Details

Phone (comma separated)

Email

+

Submit

Screen: Create Agent Lead Page
API's for the same will be provided

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2.7 Account

- This section is having 2 subsections:
 - **Account Summary**
 - **Change Password**
- **Account Summary:** displays the reports based on all recharges and transfers done. Sorting filter based on Date From, Date To and Report Type (Transfer, Recharge, All).
- **Change Password:** This option let channel partner change the password.

2.7.1 Screens

Account | Wallet Topup | Logout

User Total Balance : 602.00

Account Summary

All
Recharge
Transfers

Description	Date	Amount	Action	Balance	Comment
-------------	------	--------	--------	---------	---------

Screen: Displaying Account Summary Page

Account | Wallet Topup | Logout

User Total Balance : 602.00

Change Password

Old Password:

New Password:

Confirm Password:

Submit Query

Screen: Displaying Change Password Page

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2.8 Wallet Top Up

- This option is used to top up the Delivery Manager's wallet using the UPI.
- Whatever amount is topped up -> is directly reflected in the wallet of Delivery manager.
- At every step whenever Delivery manager's wallet is topped up -> amount gets debited from the main wallet.

2.8.1 Screen

The screenshot shows the 'Wallet Topup' screen of the Channel Partner Application. At the top, there is a dark header bar with 'Account' and 'Wallet Topup' on the left, and 'Logout' on the right. Below the header, a user profile icon is shown on the left, and 'User Total Balance : 602.00' is displayed on the right. A dark sidebar on the left contains a list of menu items: Dashboard, Agents, Outlets, Orders, DA Topup, and CRM, each with a right-pointing arrow. The main content area has a light gray background. At the top of this area, there is a breadcrumb trail with a home icon and 'Wallet Topup'. Below this, the title 'Request Wallet Payment' is centered. Under the title, there are three input fields: 'Mobile Number', 'Amount', and 'Virtual Payment Address'. A green 'Send Request' button is positioned below the 'Amount' field.

Screen: Wallet Top Up page

2.9 Logout

- Logout button will be used to Logout from the application.

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5. APIs (Already created)

1. **Get Top 10 Orders**
2. **Get top 10 agents**
3. **Get top 10 FF requests**
4. **Alerts**
 - a) **Pending Orders (for more than 3 minutes)**
 - b) **Accepted Orders (for more than 10 minutes)**
 - c) **Picked Up Orders (for more than 60 minutes)**
 - d) **Agent low balance (less than 100 rs)**
 - e) **Agent high balance (more than 5000 rs)**
 - f) **Offline order (Picked up and delivered within 3 minutes)**
5. **Activate agent**
6. **De-activate agent**
7. **Re assign order**
8. **Get all agents assigned to the CP**
9. **Get all outlets assigned to the CP**
10. **Get all outlets assigned to the CP and requested for FF**
11. **Get all agents assigned to the CP and accepted Fixed assignments**
12. **Get all Orders**
13. **DA TopUp**
14. **For CRM Portion 2.6:**
 - a) **Get Agent Leads (assigned to the user)**
 - b) **Get Restaurant Leads (assigned to the user)**
 - c) **Get CP Leads (assigned to the user)**
 - d) **Update Lead Status**
 - e) **Assign user**