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

Content

1. Introduction

- 1.0 Purpose
- 1.1 Business Deliverables
- 1.2 Technology Project Specifications
- 1.3 Definitions, Acronyms and Abbreviations
- 1.4 Key Pointers

2. Overall Functional Description

- 2.0 Architecture and Overall Description of Project
- 2.1 Dashboard
 - 2.1.1 Screens
- 2.2 Agents
 - 2.2.1 Screens
- 2.3 Outlets
 - 2.3.1 Screens
- 2.4 Orders
 - 2.4.1 Screens
- 2.5 DA Top up
 - 2.5.1 Screens
- 2.6 CRM
 - 2.6.1 Screens
- 2.7 Account
 - 2.7.1 Screens
- 2.8 Wallet TopUp
 - 2.8.1 Screens
- 2.9 Logout
- 2.10 Registration or Sign-Up Process
- 3. Change Management Process
- 4. Query
- 5. API's (Already Created)

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

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

- 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.

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.

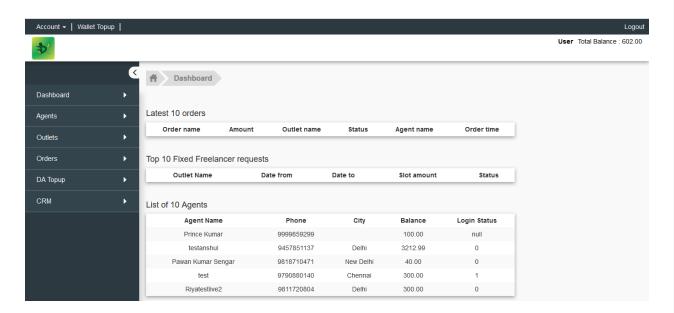
Data tier: Database

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).

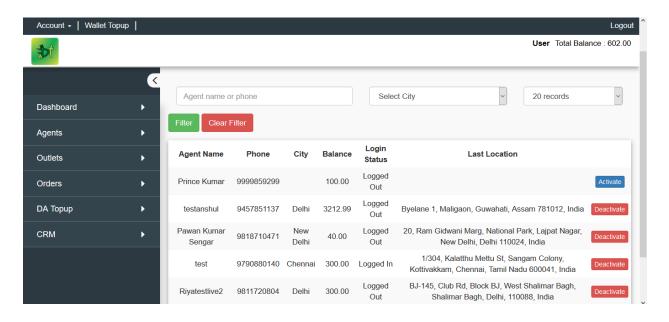
2.1.1 Screen



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"

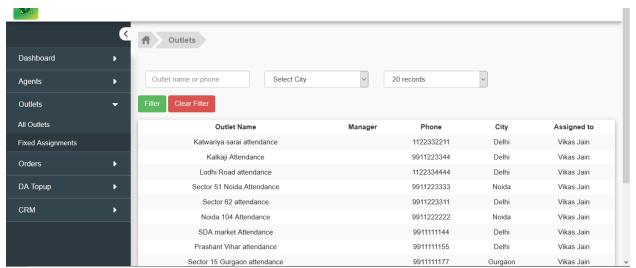
2.2.1 Screen



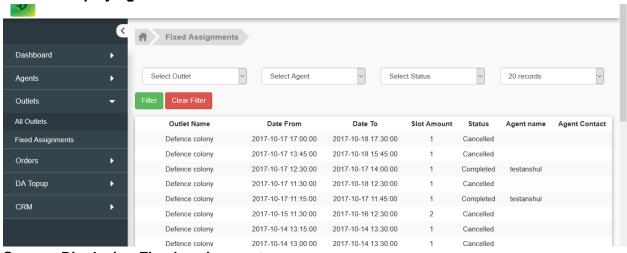
2.3 Outlets

- 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



Screen: Displaying Outlets section

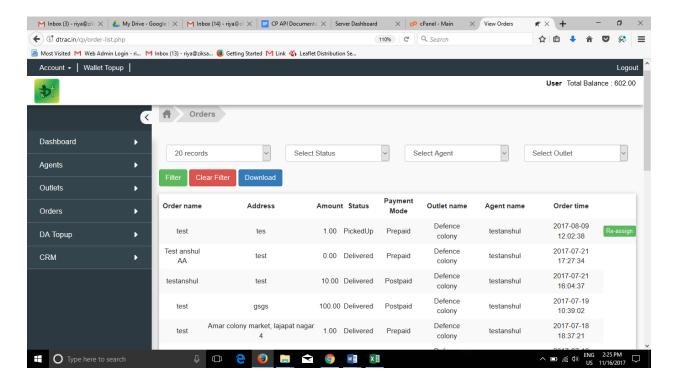


Screen: Displaying Fixed assignments

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)

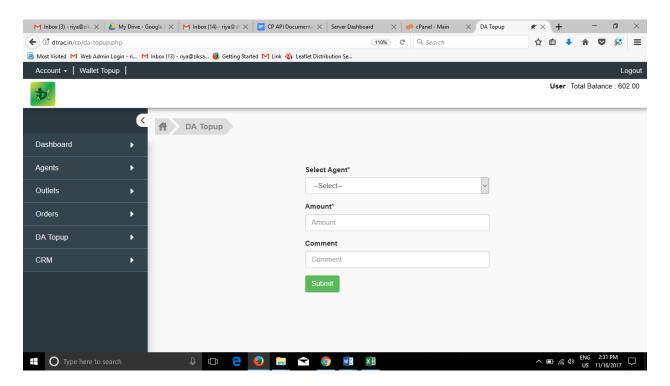
2.4.1 Screen



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.

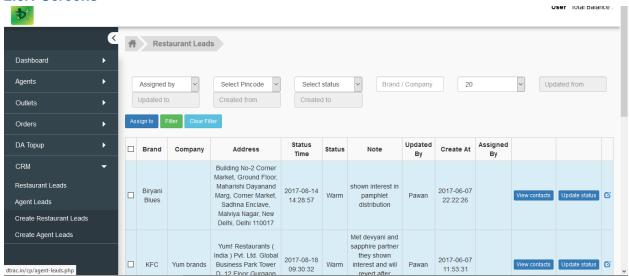
2.5.1 Screen



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.

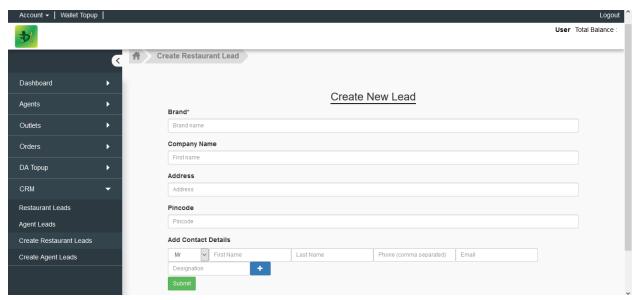
2.6.1 Screens



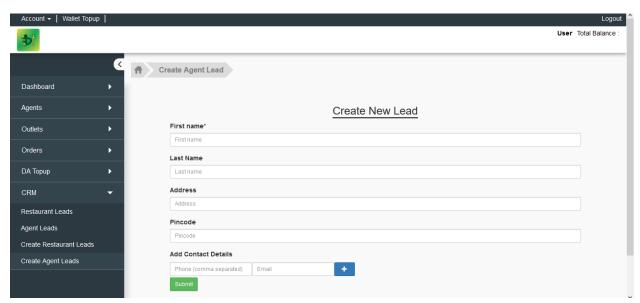
Screen: Displaying Restaurant Leads

All sorting filters can be viewed in the above screenshot.

API's for the same will be provided.



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

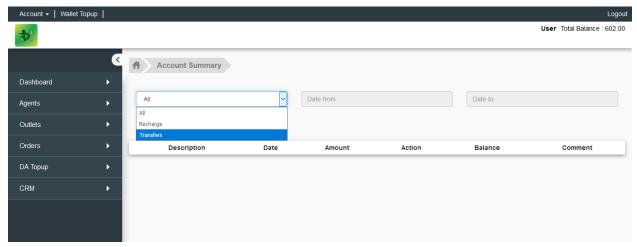


Screen: Create Agent Lead Page API's for the same will be provided

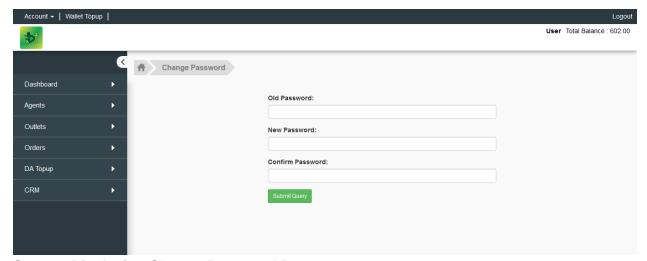
2.7 Account

- 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



Screen: Displaying Account Summary Page

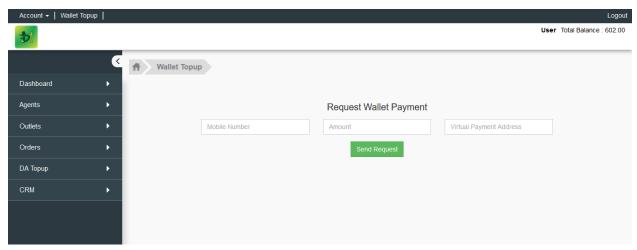


Screen: Displaying Change Password Page

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



Screen: Wallet Top Up page

2.9 Logout

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

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