Release Notes

BATS v 1.0

Bydesign Automatic Tracking System

**Bats v 1.0 Overview Sketch**



**Explanation:**

* BATS is to keep track/monitor/manage of vehicle installed with our device’s.
* The major purpose of BATS application is to track the vehicles on the map.
* Apart of live tracking it has many other features like, Geo-fence boundary plotting, Speed of vehicle on regular intervals, history & route plotting, etc…
* BATS has 3 level user to perform above mentioned action.
  + Factory User
  + Admin User
  + General User
* Factory user can only assign the devices to admin user & can’t track the status of the assigned devices.
* Admin user has all the rights to view, edit & update the details.
* General user can only view the details, he can’t edit or update the details.

**Factory User Overview Sketch**



**Login Credentials:**

**Username: factory**

**Password: pass1234**

**Features:**

**1. Manage Customer**

* In this manage customer feature, factory user can do the following operations,
  + Create New Customer (Admin User)
  + Update Customer
  + Delete Customer
  + List customer complete details.

**1.1 Create New Customer**

* This feature is used to add new customers(Admin Users). It has following fields,
  + Customer Name
  + Password
  + Email
  + Mobile Number
  + Country
  + State
  + Organization Name
  + Maximum Users
* All the above fields are Mandatory and validated while submitting the form.

**NOTE:** Once customer is created with some customer name & organization name, then user can’t create another new user with same customer name & organization name, even if user is deleted.

**1.2 Update Customer**

* This feature is used to update existing customer details. It has following fields,
  + Customer Name
  + Email
  + Mobile Number
  + Country
  + State
  + Organization Name
  + Maximum Users
* In the above fields customer & organization names are not editable.

**1.3 Delete Customer**

* This feature is used to delete existing customer details.

**1.4 List Customer Details**

* This feature is used to view existing customer details. It shows the customer name & device count (devices added by factory user from factory stock to admin user, Refer feature 2).
* Also user can filter the customers based on country, state & customer name.

**2. Manage Device**

* In this feature, factory user can add devices to customers.
  + Allocating devices to specific customer (once device allocated can’t be modified).
  + can add more devices if required.

**Admin User Overview Sketch**



**Login Credentials:**

**Username: devimeena**

**Password: pass1234**

**Features:**

**3. Manage Group**

* In this manage group feature, admin user can do the following operations,
  + Create New Group
  + Update Group
  + Delete Group
  + List Groups.

**3.1 Create New Group**

* This feature is used to create new group. It has following fields,
  + Group Name
  + Country
  + State
  + Mobile Number
  + Time Interval in seconds
  + Speed Limit in kilometer per hour
  + Alive Frequency in Minutes
  + Allocate Devices to Group (Devices which was allocated from factory user)
  + Draw Geofence on map (Not Mandatory)
* In the above fields drawing geofence is not mandatory.
* If there are no devices in present stock, then admin user can’t able to create group.

**3.2 Update Group**

* This feature is used to update existing group details. It has following fields,
  + Group Name
  + Country
  + State
  + Mobile Number
  + Time Interval in seconds
  + Speed Limit in kilometer per hour
  + Alive Frequency in Minutes
  + Allocate Devices to Group (Devices which was allocated from factory user)
  + Draw Geofence on map (Not Mandatory)
* In the above fields group name is not editable.

**NOTE:** Once geofence is drawn, it can’t be removed. Only user can able to update geofence.

**3.3 Delete Group**

* This feature is used to delete existing group details.
* Once the group is deleted, the devices which was allocated to this group will be available in device present stock (While creating group).

**NOTE:** Once group is created with some group name, then user can’t create another new group with same group name, even if group is deleted.

**3.4 List Group Details**

* This feature is used to view existing group details. It shows the group name & group id.
* Also user can filter the group based on country, state & group name.

**4. Manage Device**

* This feature is used to view allocated & unallocated device details

**4.1 Allocated Device Details**

* This feature is used to view device details which has been allocated to group.
* This has list of all allocated devices with details like,
  + Device Id
  + Group
* User can update or modify particular device details. such as,
  + Device Type
  + Vehicle Number
  + Driver Name
  + Driver License
  + Description

**4.2 Un-Allocated Device Details**

* This feature is used to view unallocated device details .
* Device Id of all the unallocated devices will be listed in this feature.

**5. Monitor Group/Device (Map)**

* This module is used to track the devices(Vehicles) on the map based on group/device selection.
* On group selection, all the devices will be shown on map with idle state.
* On device selection, the selected device will be shown on map with live tracking of vehicles(Moving devices) with speed of Vehicle(devices).
* It shows the Count of the vehicles below the map, The Vehicle types are,
  + Bus
  + Car
  + Jeep
  + Truck
* Status of the device can be tracked based on the color of the icons on the map.
  + **Black Color** - **Normal State** (Vehicle which is updating properly, within geofence and within speed limit)
  + **Red Color** - **Crossed Geofence** (Vehicle which crossed the geofence boundary)
  + **Yellow Color** - **Crossed Speed** (Vehicle which crossed the Max Speed Limit)
  + **Brown Color** - **Crossed Geofence & Speed** (Vehicle which crossed the geofence boundary and Max Speed Limit)
  + **Blue Color** - **No-Response State** (Vehicle which is not under network coverage area or device is off)
* Onclick of particular device on map, it shows following information,
  + **Vehicle Info**
  + **Current Data**
  + **Settings**
* **Vehicle Info** Displays the following details,
  + Group Name
  + Driver Name
  + Driver License
  + Vehicle Number
  + Time Interval
  + Speed Limit
  + Description
  + Organization Id
  + Manufacturer Id
  + Serial Number
  + Contact Number
  + Country
  + State
* **Current data** shows the last 10 data updated from the device. Such as,
  + Lat
  + Long
  + Speed
  + Date
  + Time
* **Settings** is used to set the Time Interval, Speed Limit, Alive Frequency in Minutes & contact number of that particular device.

**6. Vehicle History**

* This feature is used to check the history of the vehicle.
* It shows the plotting on the map, where the vehicle has traveled for the selected date.
* It also shows a table with following details of the device,
  + Lat
  + Long
  + Speed
  + Date
  + Time

**NOTE:** In case of jumbled data from device when it is idle, we are plotting the data which is above 5KM.

**7. Manage General User**

* In this manage general user feature, admin user can do the following operations,
  + Create New user(General User)
  + Update user
  + Delete user
  + List user complete details

**7.1 Create New user**

* This feature is used to add new users(General Users). It has following fields,
  + User Name
  + Password
  + Email
  + Mobile Number
  + Allocate Groups to Users(Groups which created by Admin User by allocating devices)
* All the above fields are Mandatory and validated while submitting the form.
* Admin User can allocate multiple groups for one particular user while creating user.

**NOTE:** Once user is created with some username, then user can’t create another new user with same username, even if user is deleted.

**7.2 Update User**

* This feature is used to update existing user details. It has following fields,
  + User Name
  + Email
  + Mobile Number
  + Allocated Groups to Users
* In the above fields user name is not editable.

**7.3 Delete Customer**

* This feature is used to delete existing user details.

**7.4 List Customer Details**

* This feature is used to view existing user details. It shows the user name & group list (All the allocated groups).

**General User Overview Sketch**



**Login Credentials:**

**Username: vishal**

**Password: pass1234**

**Features:**

**8. Monitor Group/Device (Map)**

* This module is used to track the devices(Vehicles) on the map based on group/device selection.
* On group selection, all the devices will be shown on map with idle state.
* On device selection, the selected device will be shown on map with live tracking of vehicles(Moving devices) with speed of Vehicle(devices).
* It shows the Count of the vehicles below the map, The Vehicle types are,
  + Bus
  + Car
  + Jeep
  + Truck
* Status of the device can be tracked based on the color of the icons on the map.
  + **Black Color** - **Normal State** (Vehicle which is updating properly, within geofence and within speed limit)
  + **Red Color** - **Crossed Geofence** (Vehicle which crossed the geofence boundary)
  + **Yellow Color** - **Crossed Speed** (Vehicle which crossed the Max Speed Limit)
  + **Brown Color** - **Crossed Geofence & Speed** (Vehicle which crossed the geofence boundary and Max Speed Limit)
  + **Blue Color** - **No-Response State** (Vehicle which is not under network coverage area or device is off)
* Onclick of particular device on map, it shows following information,
  + **Vehicle Info**
  + **Current Data**
* **Vehicle Info** Displays the following details,
  + Group Name
  + Driver Name
  + Driver License
  + Vehicle Number
  + Time Interval
  + Speed Limit
  + Description
  + Organization Id
  + Manufacturer Id
  + Serial Number
  + Contact Number
  + Country
  + State
* **Current data** shows the last 10 data, updated from the device. Such as,
  + Lat
  + Long
  + Speed
  + Date
  + Time

**NOTE:** General user can able to track only those groups/devices which has been assigned by the admin user while creating the general user.

**9. Vehicle History**

* This feature is used to check the history of the vehicle.
* It shows the plotting on the map, where the vehicle has traveled for the selected date.
* It also shows a table with following details of the device,
  + Lat
  + Long
  + Speed
  + Date
  + Time

**NOTE:** In case of jumbled data from device when it is idle, we are plotting the data which is above 5KM.

**Common Features:**

**10. Login**

* This feature is used to login into the application by using the valid login credentials.
* The login screen has following fields,
  + Username
  + Password
  + Submit Button
  + Forgot Password Link
* Enter valid username in username input field.
* Enter valid password in password input field.
* Onclick of submit button, user will be redirected to the landing screen of the application.
* If user has forgot the password, by using the forgot password link user can reset the password.

**11. Forgot Password**

* This feature is used to reset the password, if user has forgot the password.
* The Forgot Password screen has following fields,
  + Email id
  + Submit Button
  + Login Link
* Enter a valid & registered email id in email input field.
* Onclick of submit button, user will get a success message like “Please check your mail”.
* In mail user will get a link, by using the link user can reset the password.

**12. Change Password**

* This feature is used to change the password of the registered user.
* The Change Password screen has following fields,
  + New Password
  + Re-enter New Password
  + Submit Button
* Enter new password in new-password input field.
* Enter re-enter new password in re-enter new-password input field.
* Onclick of submit button, user will get a success alert & redirected to landing screen.

**13. Logout**

* This feature is used to logout the user from the application.
* Onclick of that logout option user will be logged out from the application.

**Known Issues:**

1. After logging in delete the token from local storage & close the application. Again try to open the application & login with same credentials, it shows as “Already Logged In”.
2. In manage group of admin user the page gets reloaded on click of close icon of the add/update group modal.
3. In map of admin & general user, select group & device. After selecting device, vehicle is shown on map & it moves on the map with lastly updated lat,long values. Which should not happen.
4. In map of admin & general user, after selecting the group, if only one device is available in the group, then speedometer is shown with some style issues.
5. In map of admin & general user, the live tracking map shows all the vehicle icons as car icon(bus icon will be shown as car icon).

**Bug Fixes:**

Bug #49 [UI Issue in Change Password tab]

Status: Fixed

Solution: The highlighting border has been removed.

Bug #50 [The Add more devices button is shown even if there is no stock in the

factory]

Status: Fixed

Solution: The Add more devices button has been hidden, if there is no stock in

the Factory.

Bug #51 [Cache issue in Manage Customer pop up]

Status: Fixed

Solution: The cache has be cleared on closing and opening the pop up.

Bug #52 [Email id format validation issue]

Status: Fixed

Solution: The mail will be considered as valid if it has the following format

XXX@YYY.ZZZ and It has been changed in all the mentioned modules.

Bug #53 [UI issue when character length increases in the drop downs]

Status: Fixed

Solution: The Drop down has been aligned properly even if the Customer name

length increases and it has been changed in all the mentioned

modules.

Bug #54 [UI issue while on click of icons]

Status: Fixed

Solution: That Border has been removed for both Add New Customer and Edit

Customer and it has been changed in all the mentioned modules.

Bug #55 [Search icon is replaced with clear icon in "Select Group" search drop

down.]

Status: The search icon and clear icon is not required, there is no click events

based on that two icons.

Bug #56 [Validation check and Cache issue in Change Password pop up]

Status: Fixed

Solution: Resolved the issue.

Bug #57 [UI issue in the Current Speed of vehicle section in Map]

Status: Fixed

Solution: The alignment of the speedometer is proper.

Bug #58 [The check box Label is not visible as its font colour is white]

Status: Fixed

Solution: The check box label font colour has be changed.

Bug #59 [UI issues in vehicle info section]

Status: Fixed

Solution: The colon has be removed for the Driver name and the Description

text have enough space between title and text.

Bug #60 [UI issue in vehicle history section]

Status: Fixed

Solution: The Days indication letters in the datepicker have be aligned properly.

Bug #61 [Pressing Enter key in keyboard it’s redirecting to Geofence pop up]

Status: Fixed

Solution: It is not redirecting to Geofence pop up.

Bug #62 [UI issue in the Already logged in message prompt]

Status: Fixed

Solution: The pop up message have been corrected.

Bug #63 [User always showing as already logged in]

Status: Fixed

Solution: Resolved the issue.

Bug #64 [User logged in session not cleared issue]

Status: Fixed

Solution: Resolved the issue.

Bug #65 [Validation issue in vehicle history section datepicker]

Status: Fixed

Solution: Resolved the issue.

Bug #66 [Group is allowed for deletion, even if it is mapped to an user]

Status: As per present business logic.

Bug #67 [Creation of user is allowed even after exceeding limit]

Status: Fixed

Solution: Button is hidden on reaching the maximum user limit.

Bug #68 [UI issue in Modify/Update device pop up]

Status: Fixed

Solution: The Label Description and the text area has be aligned properly.

Bug #69 [After clicking backspace from keyboard or Go back from browser, the

pop up is closed, but the dashboard page is still shown as disabled.]

Status: Fixed

Solution: Resolved the issue.

Bug #70 [State drop down shown with meta data before selection of country]

Status: Fixed

Solution: The State drop down is populated with the metadata options only

after the country is selected.

Bug #71 [Geofence set as Yes, is shown as No in Edit group pop up]

Status: Fixed

Solution: Resolved the issue.

Bug #72 [Email id not editable in Edit user popup]

Status: Fixed

Solution: The Email id field have been allowed for editing always.

Bug #73 [In Satellite Geographic view the Sea names are not clearly visible.]

Status: Fixed

Solution: In Satellite Geographic view all the names and label are clearly visible.

Bug #74 [Validation message issue in Edit user popup]

Status: Fixed

Solution: The Email id field have not be shown with the validation message

unless the mail id is changed as another existing user's mail id.

Bug #75 [The Date format is changing in the calendar]

Status: Fixed

Solution: Date selection calendar is based on the DD/MM/YYYY format as per

the user's input.

Bug #76 [Validation message missing for vehicle type]

Status: Fixed

Solution: Resolved the issue.

Bug #77 [UI issues on selecting a group in Current speed of vehicle section]

Status: Fixed

Solution: The Device Speed is shown with the unit as Kmph and the title label

have been corrected for case as "Current speed of Vehicle".

Bug #78 [Prompt message should be corrected]

Status: Fixed

Solution: The message have been corrected as follows: "Are you sure you want

to send an e-mail?"

Bug #79 [Reset password validation checks not working]

Status: Fixed

Solution: Resolved the issue.

Bug #80 [Clear icon and pretext can be provided for select customer drop

down]

Status: Fixed

Solution: The drop down have the pretext as “Select Customer” and the clear

icon is not required.

Bug #82 [Clear icon and pretext can be provided for select customer drop

down]

Status: Fixed

Solution: The drop down have the pretext as “Select Customer” and the clear

icon is not required, because there is no click event on that icon.

Bug #83 [By clicking the Ok button, its not closing the Forgot Password

message prompt.]

Status: Fixed

Solution: On click of Ok button in the Forgot Password message prompt, it is

closing the prompt.

Bug #84 [Case of Customer name is converting to lowercase]

Status: Fixed

Solution: Resolved the issue.

Bug #85 [Create button is shown even though required fields are not filled]

Status: Fixed

Solution: Resolved the issue.

Bug #86 [Update button not hidden on removing or with invalid data in Edit

user popup]

Status: Fixed

Solution: Resolved the issue.

Bug #87 [No user friendly message is displayed.]

Status: Fixed

Solution: If no data is available Appropriate messages are displayed.

Bug #88 [Button can be hidden or disabled throughout the application

uniformly]

Status: Fixed

Solution: Button have been hidden throughout the application.