Management and vehicle tracking manual

1. The details of menu on the system management and tracking.

1) The menu bar on the top right. Which shows the profile of the name and username. User can log out of system by click on “Log Out”.
2) The menu add users.
3) The menu choose language.
4) The menu bar on the left.
   a) Dashboard is main page on system.
   b) Real-time Tracking is a page tracking all vehicle on the system for real-time.
   c) Vehicle Information is page for mange add details, edit or delete car on system.
   d) Add New Vehicle is page for mange add details, edit or delete car on system.
   e) Driver Information is page for mange add details, edit or delete car on system.
   f) Add New Driver is page for mange add details, edit or delete car on system.

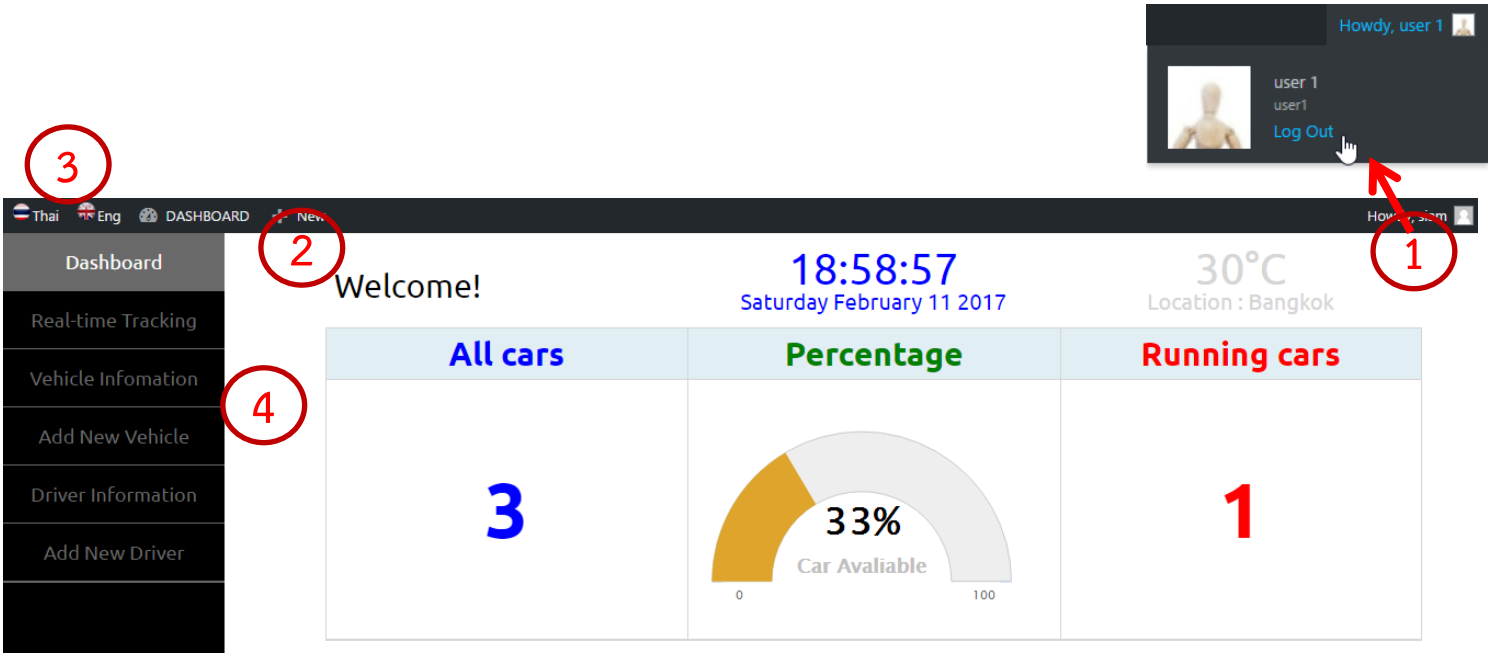

Fig. 1. The details of menu on the system management and tracking.

2. Dashboard page is main page on system. This page will displays the following information.

1) System overview include all car in system and the number of cars that are running. It shows a graph as a percentage.
2) Shows the location of all Real-time on Google Map. The car will display details by mouse over on car marker.
3) When click mouse on a Marker, the system displays detailed route played back. (Details in fourth.)

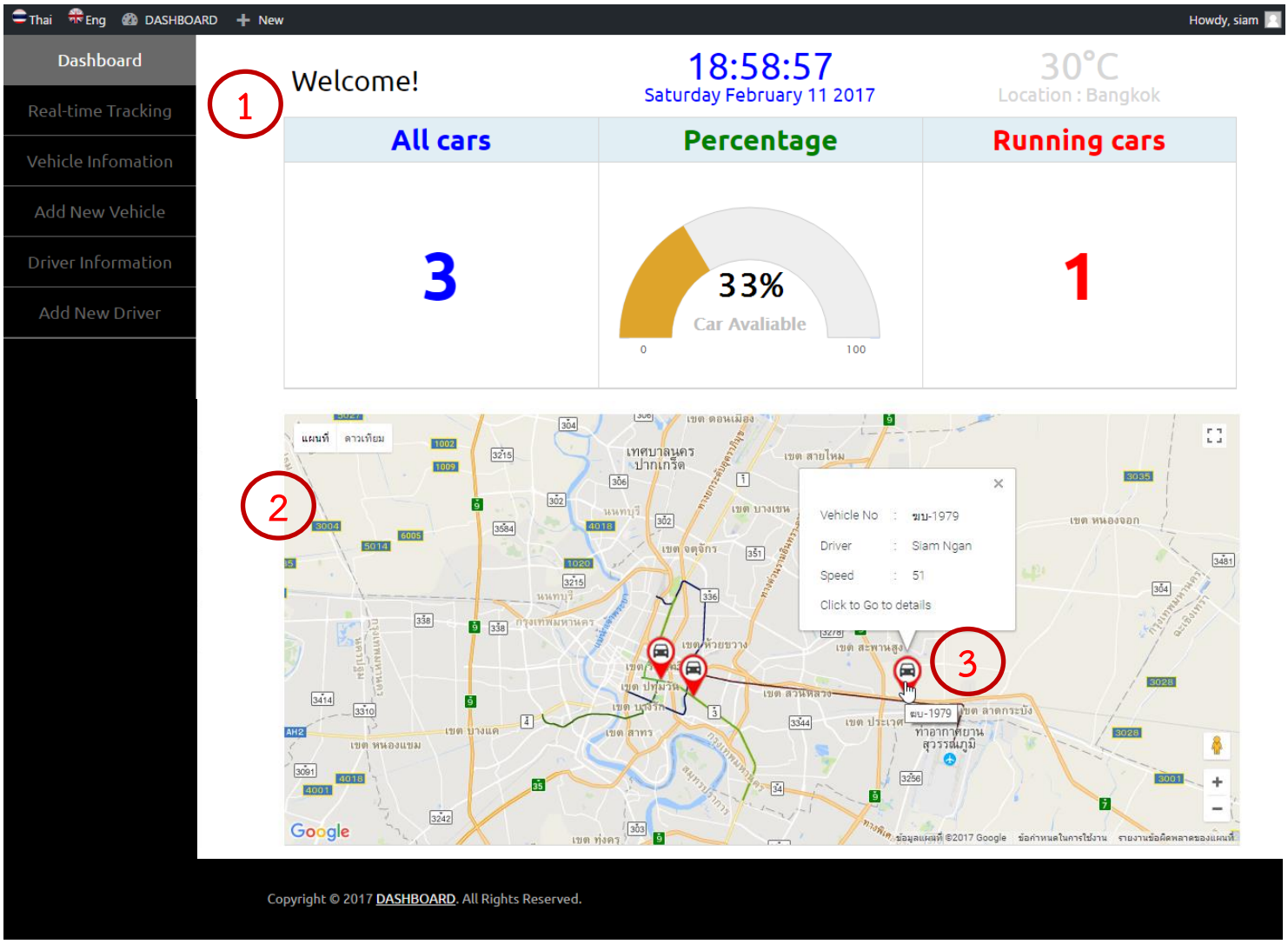

Fig. 2. Dashboard page

3. Real-time Tracking this page will displays the following information.

1) Shows the location of all Real-time on Google Map. The car will display details by mouse over on car marker.
2) The vehicle data in the system include car status, license plate, car type, date/time, speed, power and driver name.
3) When a mouse click on Marker car needs. The system displays detailed route played back.
4) mouse click on View in Map column in the table. The system displays the details of all the cars back. (Details in fourth).
5) User can search for a specific vehicle type or vehicle registration, just fill in the text field.

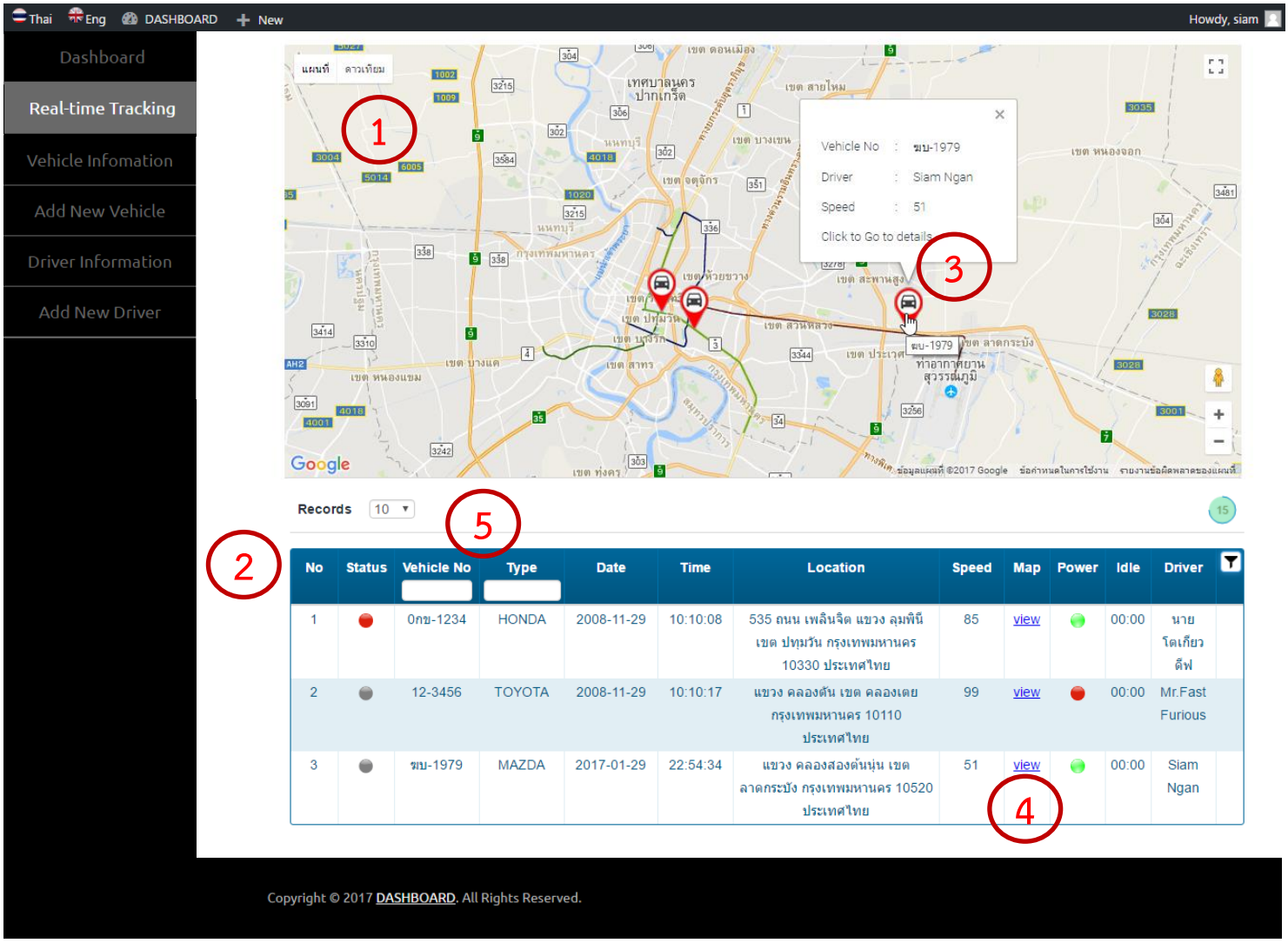

Fig. 3. Real-time Tracking page

4. The system displays the details of all the cars back. Data are shown as follows:

1) Show Google Map.
2) The report includes tables show car status, date / time, location, speed, power, and status standstill.
3) The vehicle data in the system include vehicle status, vehicle registration, vehicle type, date / time, speed, power, and the driver's name.
4) Start and end dates form the desired look back.
5) Start and end time form the desired look back.
6) Tools menu and play the last play, pause, stop and accelerate the path to see backward.

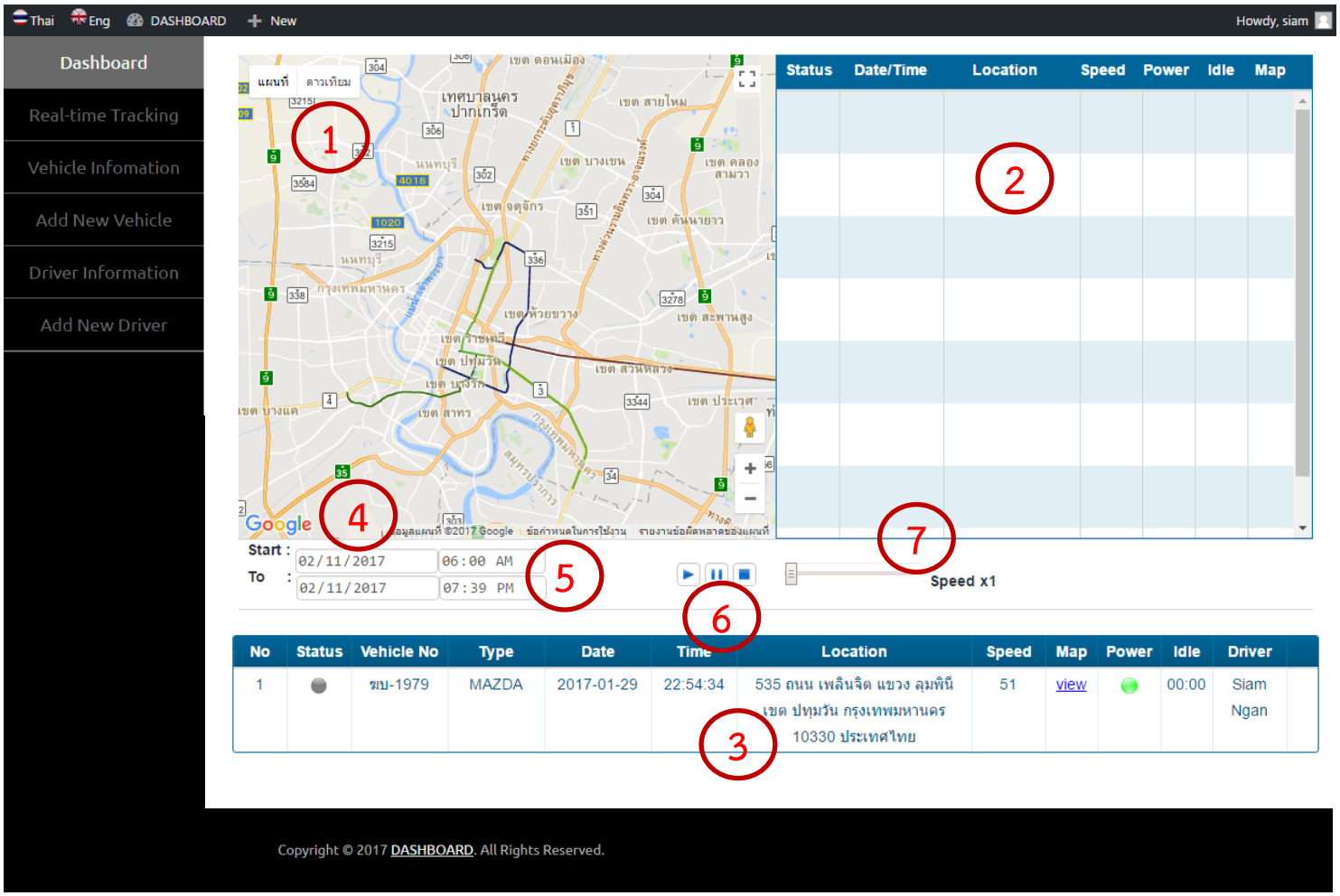

Fig. 4. **The system displays the details of all the cars back.**

5. Procedures and choose the car you want to see the back.

1) Choose the car you want by click on marker in Google map on Dashboard page or choose the car you want by click on marker on Real-time Tracking page.
2) Choose the car you want by click on View in Map column on Real-time Tracking page.
3) To find the car they want. To access the Real-time Tracking page. Next fill the demand for cars in the automobile field and click on View in Map column to reveal details of the route the car backward.

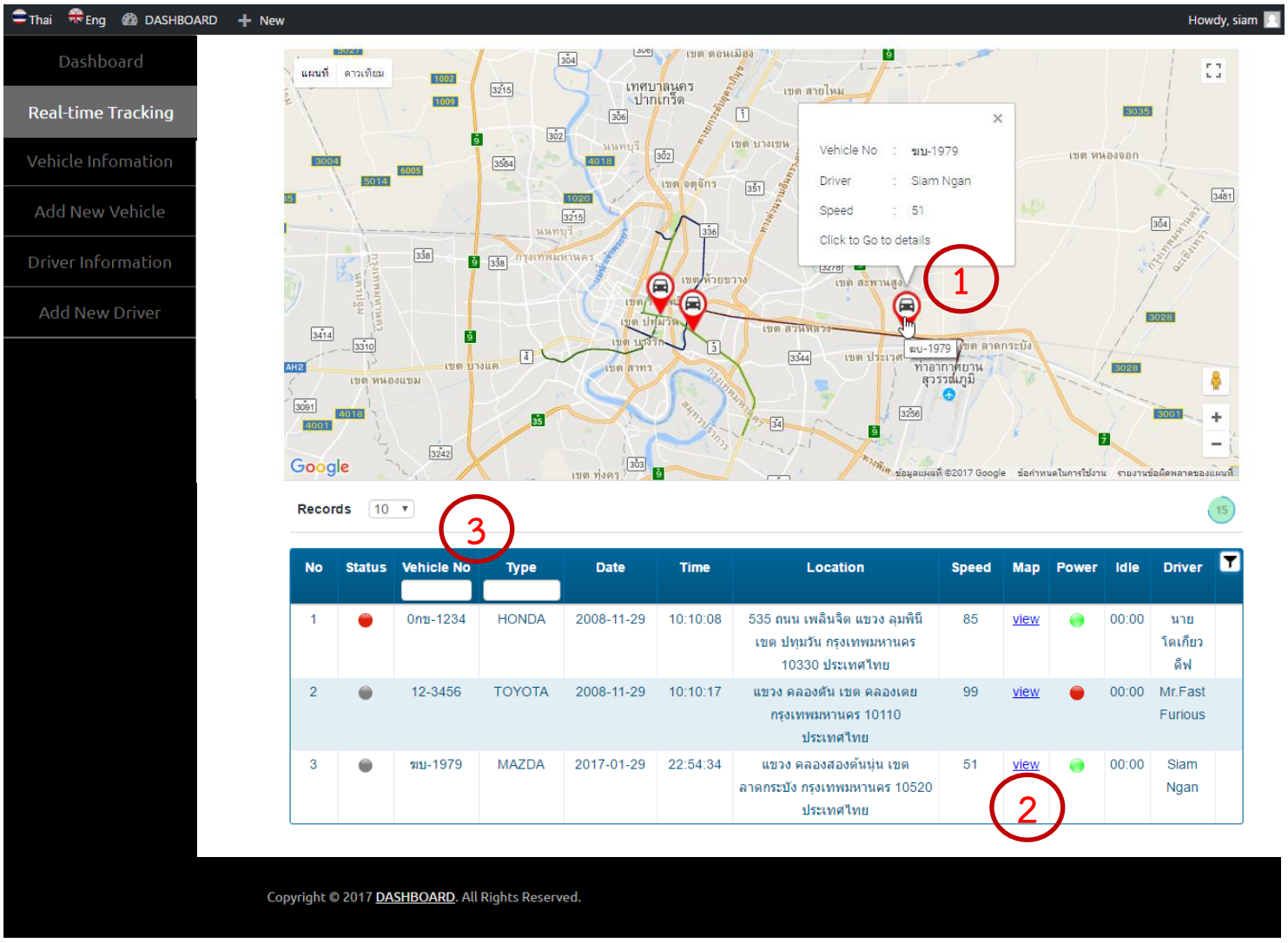

Fig. 5. **Procedures and how to choose the car you want to see the back.**

6. Procedures and fill the day for view the route and time of the desired backward.

1) Pick a date to start the route backward.
2) Pick a date to end the route backward.
3) Pick a time to start the route backward.
4) Pick a time to end the route backward.
5) Select the desired speed playback.
6) Then press the play button to start the route backward.

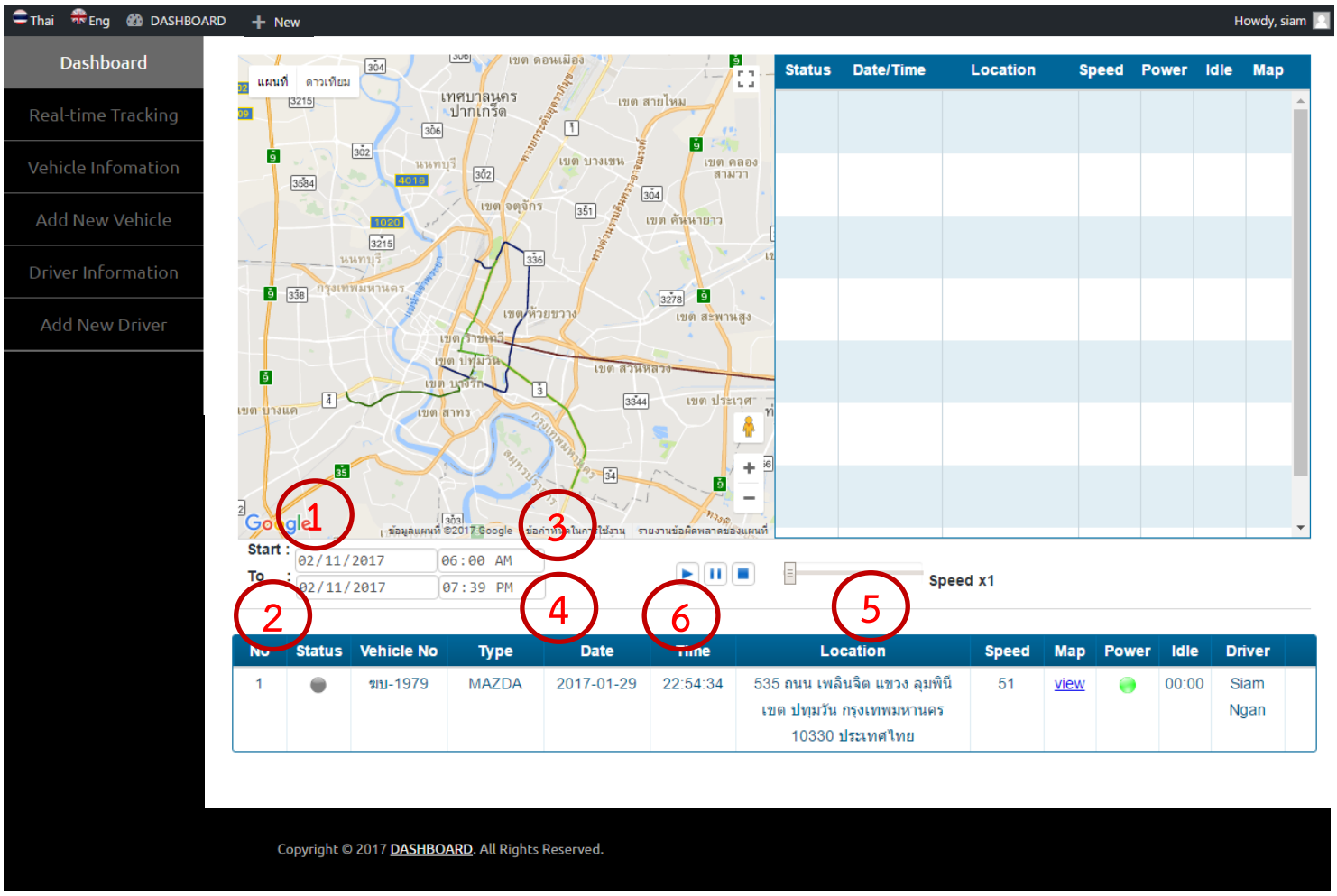

Fig. 6. **Procedures and fill the day for view the route and time of the desired backward.**

7. The System show route playback.

1) After pressed the play button to view the past. The system will display the route on a Google map.
2) The system displays the details of a Real-time schedule in Real-time.
3) The system displays details and to report back to the table. You can see it in the desired position.

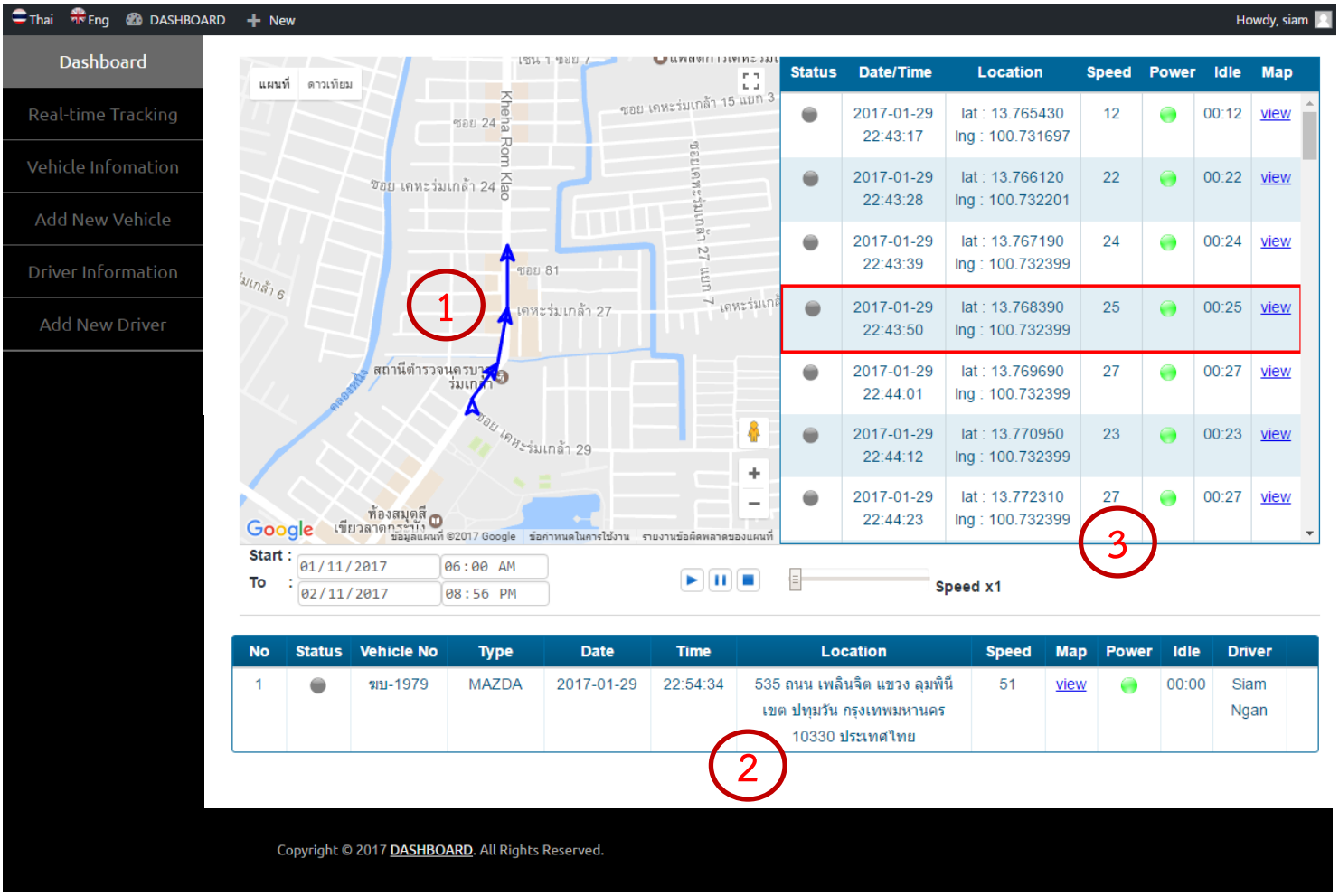

Fig. 7. **The System show route playback.**

8. Step and see the car on the map. The table reports data for our cars.

1) While viewing the route backward. Users can see the path back temporarily. By pressing the pause button.
2) Users can see the position of the vehicle history report of the car on the grid by click View in Map on a row to see the location.
3) The system will show you where you want to look back on the Google map.

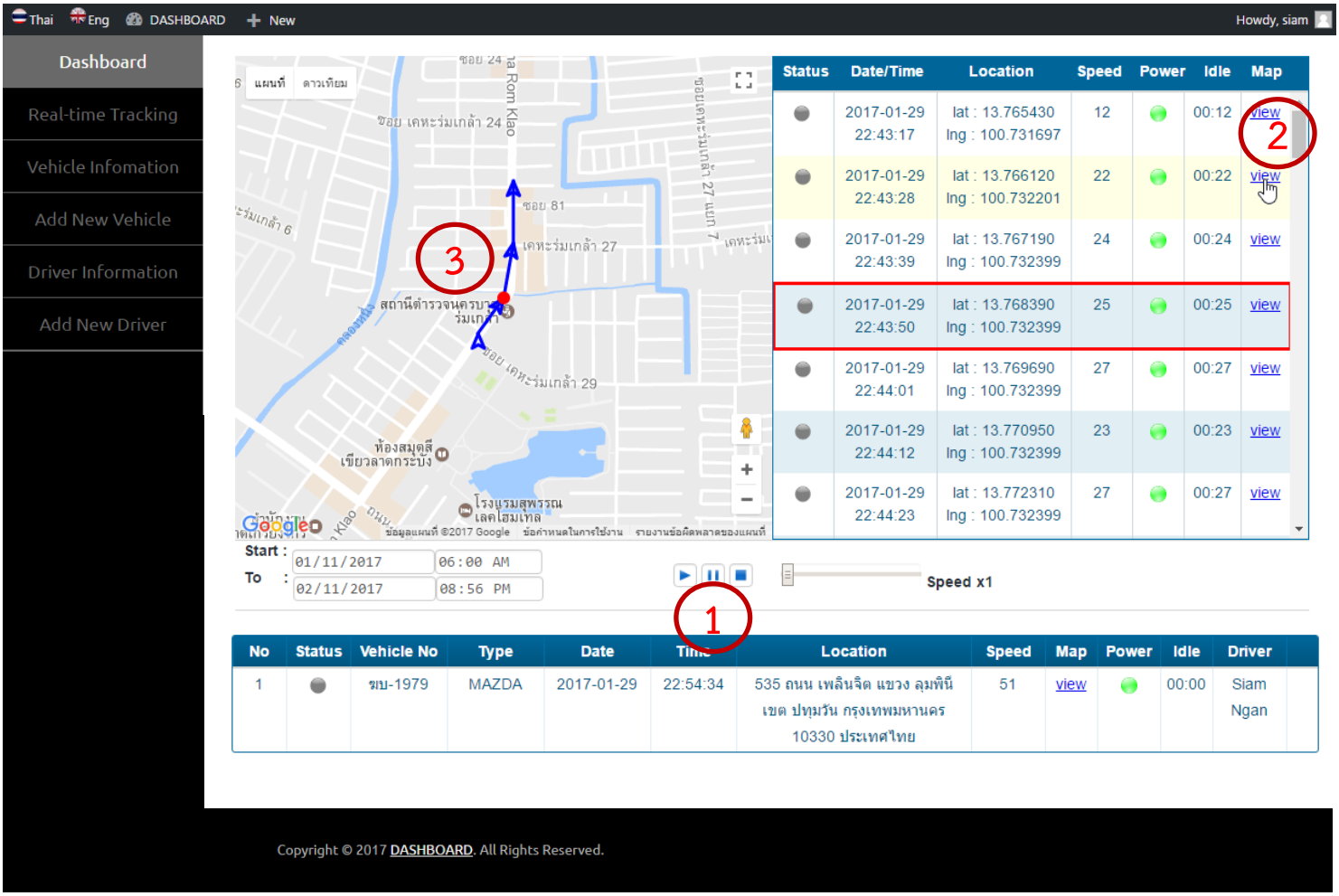

Fig. 8. **Step and see the car on the map. The table reports data for our cars.**

9. Procedures and use the play back tools.

1) During the route, stop playing back temporarily. Users can play back on track by pressing the play button.
2) System will play to the end of the route.
3) If users want to stop the play. Users can press the stop button to stop the play back.

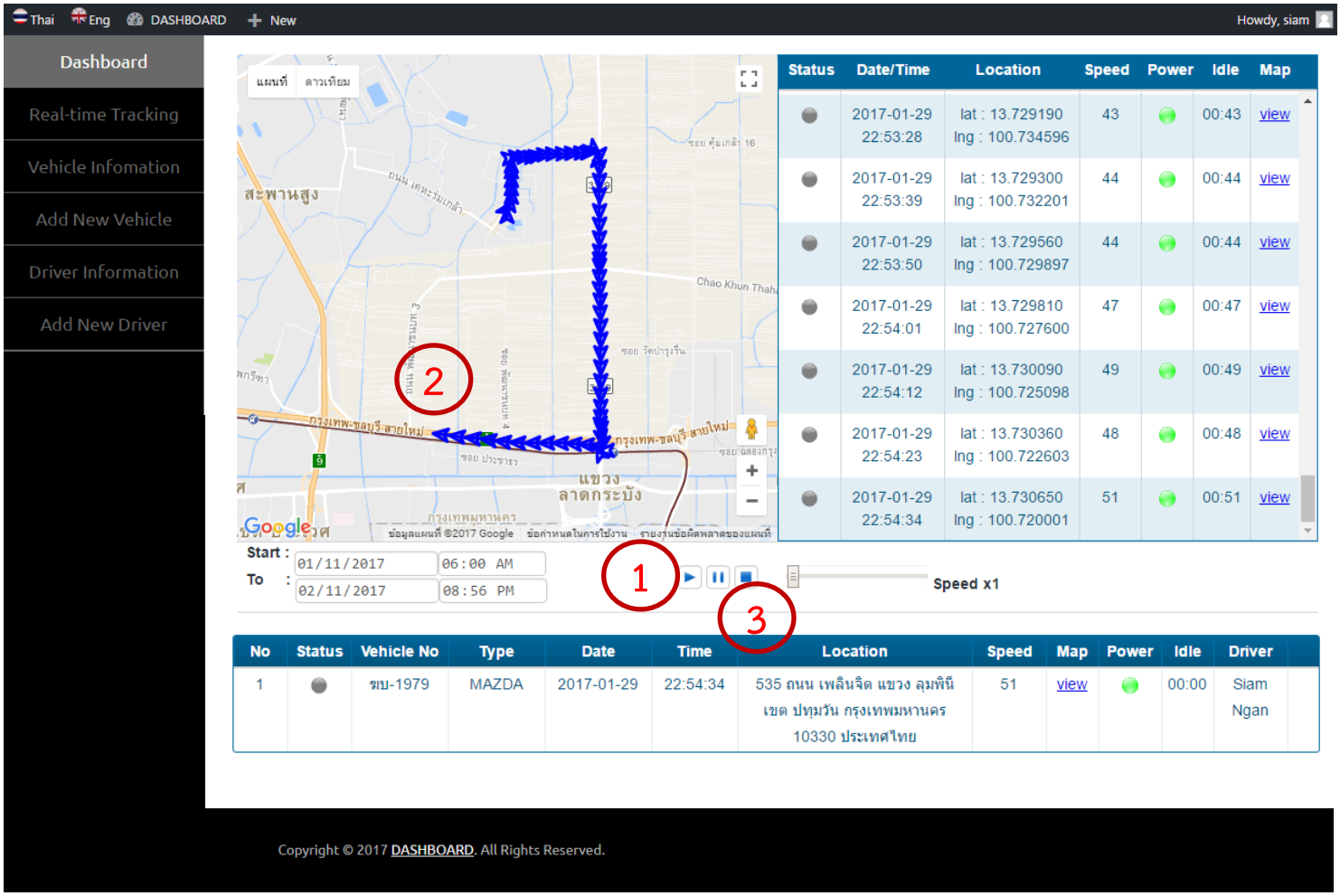

Fig. 9. **Procedures and use the play back tools.**

If the user wants to see the play back of the car. If user need change the date and time to look back. Users can go back to the beginning in the section 6. If the user wants to see the play back of another vehicle. Users can return to the section 5.

10. Vehicle Information page. Show all car in the system. The system displays detailed below.

1) The following table shows details of the car are logged in, type, driver, status and toolbar management information system in the car.
2) Users can find the car you want by filling in the search field.
3) Users can add information by clicking on the Add button in the vehicle. The system will form additional vehicle information.
4) Or select Add Vehicle front left side of the system. The system then displays a form to add a car as Figure 12.
5) Find out more information by click on icon as Figure 13.
6) Edit information by click on icon. It will show a form of vehicle selected, users can edit. as Figure 14.
7) Delete information by click on icon. The system will ask for the password again to confirm the user wants to remove cars.

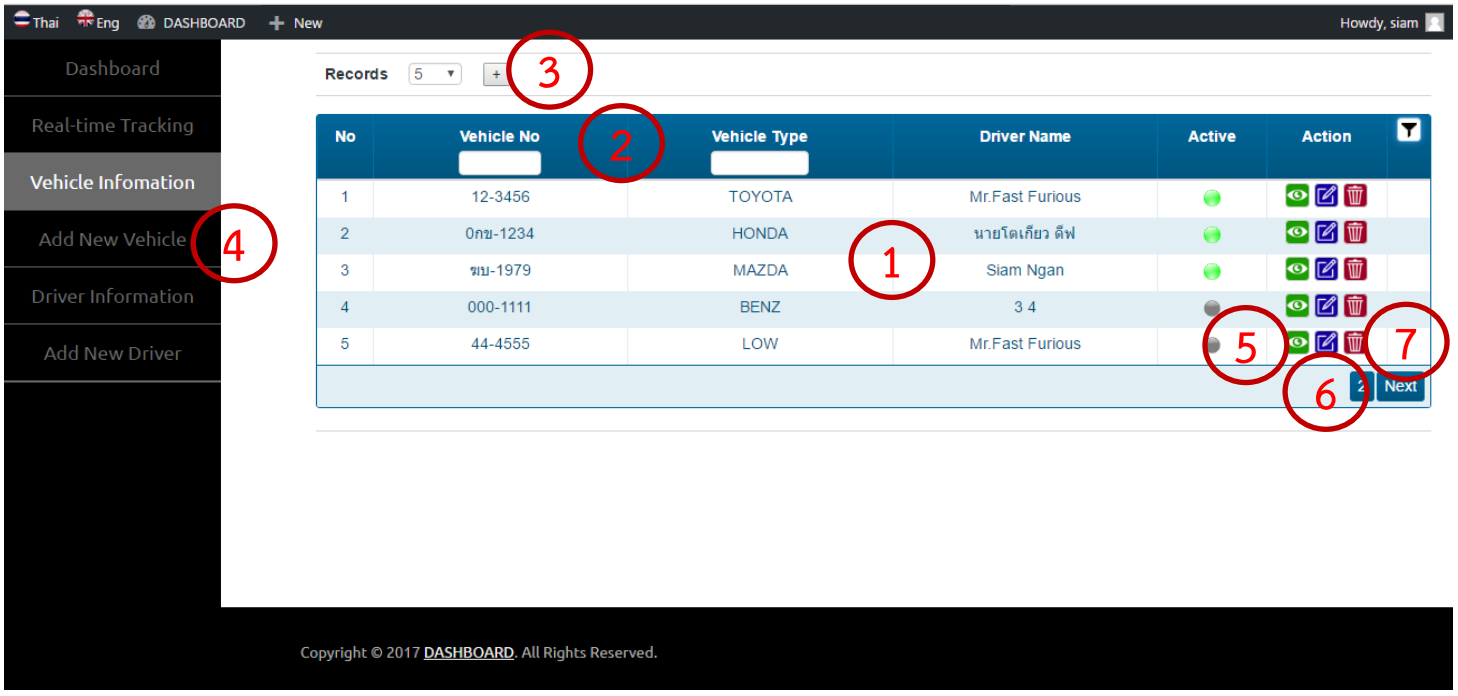

Fig. 10. Vehicle Information page.

11. Driver Information page. The system will show The driver all within the system. The system displays detailed below.

1) The table shows the detailed information of the driver in the system, including company name, driver name, driver license number, phone number. And management information systems in a driver.
2) Users can search for a specific driver by filling in the search field.
3) Users can add information by clicking on the Add button in the vehicle. The system displays additional information on the driver.
4) Or user can click Add Driver page in menu on the left side of the system. The system then displays a form to add a car. as Figure 15.
5) Find out more information by click on icon as Figure 13.
6) Edit information by click on icon. It will show a form of driver selected, users can edit. as Figure 14.
7) Delete information by click on icon. The system will ask for the password again to confirm the user wants to remove driver.

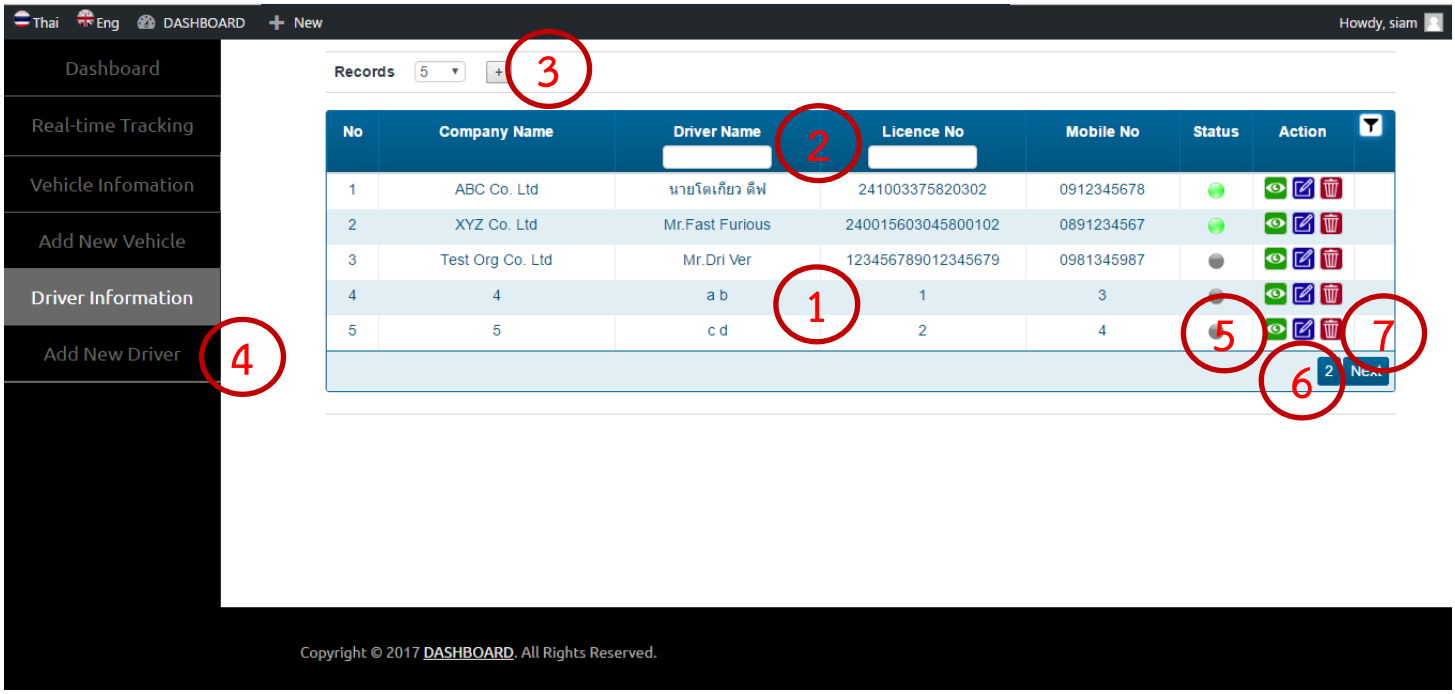

Fig. 11. Driver Information page.

12. Form add new car information. The system will fill in the details below.

1) Vehicle No.
2) Vehicle Type.
3) Province.
4) Vehicle Register Type.
5) Unit ID.
6) Chassis No.
7) Unit Sim No.
8) Capacity.
9) Driver.
10) Card Reader Status.
11) Active Status.

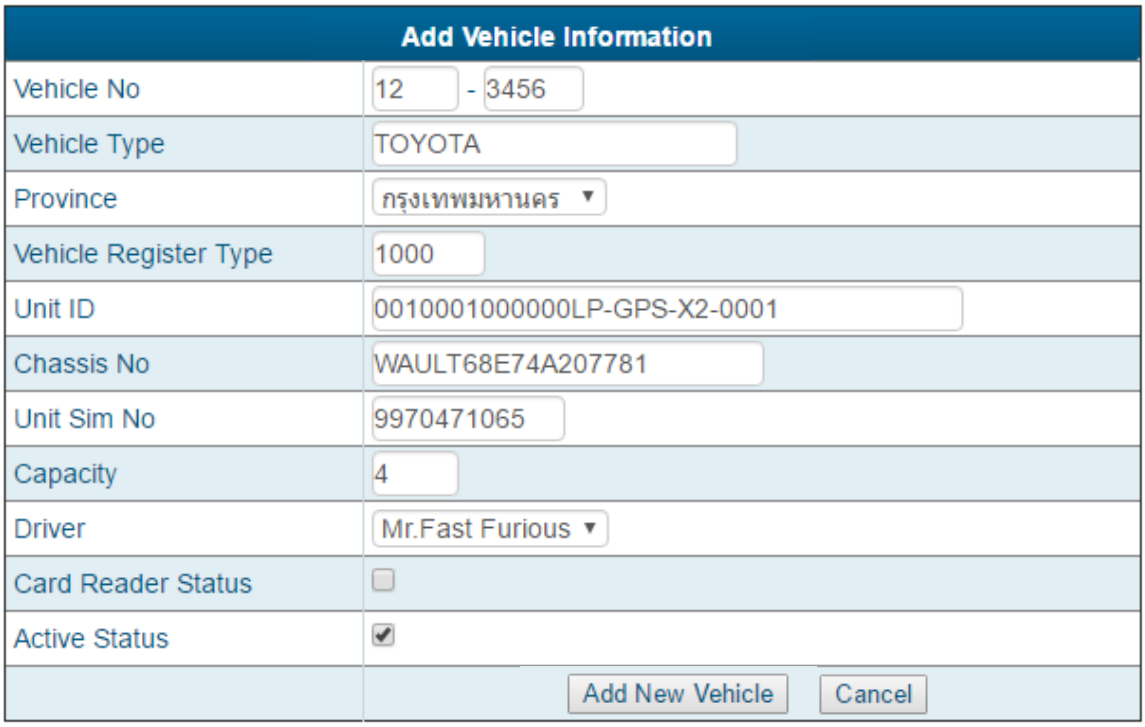

Fig. 12. **Form add new car information.**

13. Form show more car information. The system will show in the details below.

1) Vehicle No.
2) Vehicle Type.
3) Province.
4) Vehicle Register Type.
5) Unit ID.
6) Chassis No.
7) Unit Sim No.
8) Capacity.
9) Driver.
10) Card Reader Status.
11) Active Status.

Vehicle Information	
Vehicle No	ฆบ-1979
Vehicle Type	MAZDA
Province	กรุงเทพมหานคร
Vehicle Register Type	9001
Unit ID	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Chassis No	1234567890
Unit Sim No	0988355598
Capacity	4
Driver	Siam Ngan
Card Reader Status	Unread
Active Status	Active

Fig. 13. **Form show more car information.**

14. Form for edit car information. The system will fill in the details below.

1) Vehicle No.
2) Vehicle Type.
3) Province.
4) Vehicle Register Type.
5) Unit ID.
6) Chassis No.
7) Unit Sim No.
8) Capacity.
9) Driver.
10) Card Reader Status.
11) Active Status.

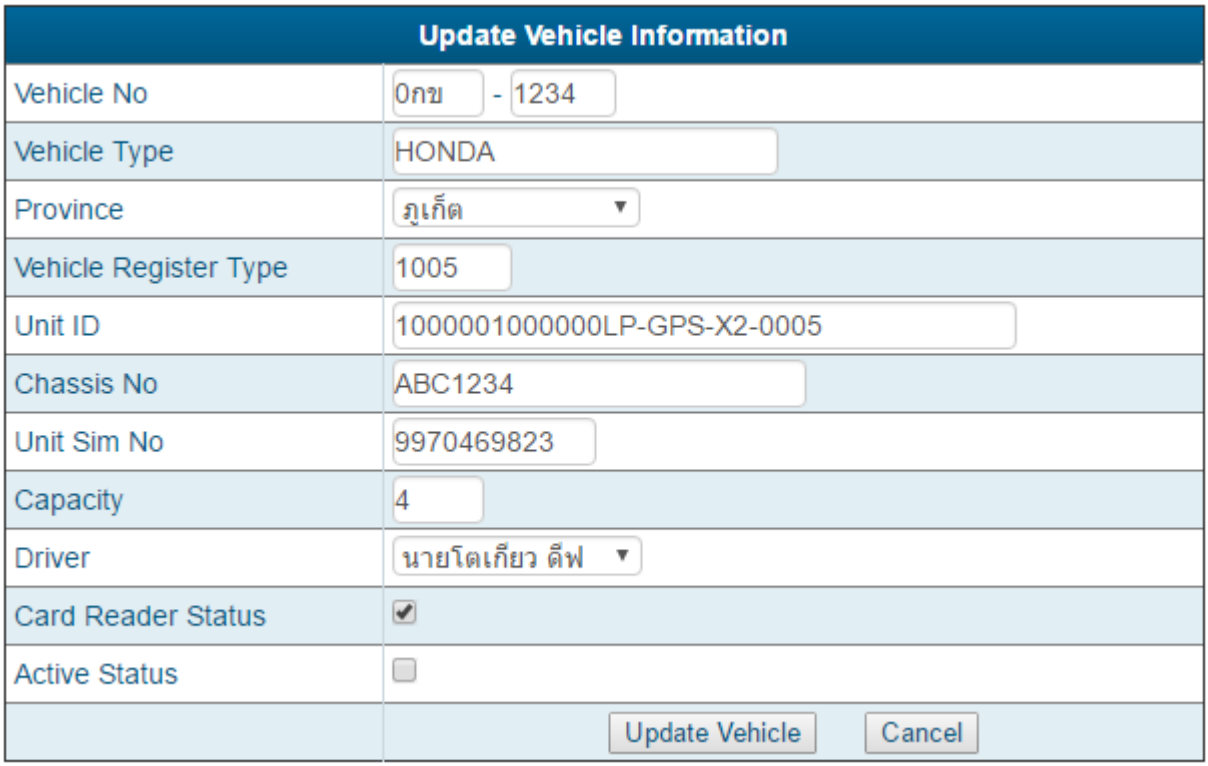

Fig. 14. **Form for edit car information.**

15. Form add new driver information. The system will fill in the details below.

1) Dirver Name.
2) License No.
3) License Expiry.
4) Driver Address.
5) Mobile No.
6) Active Status.

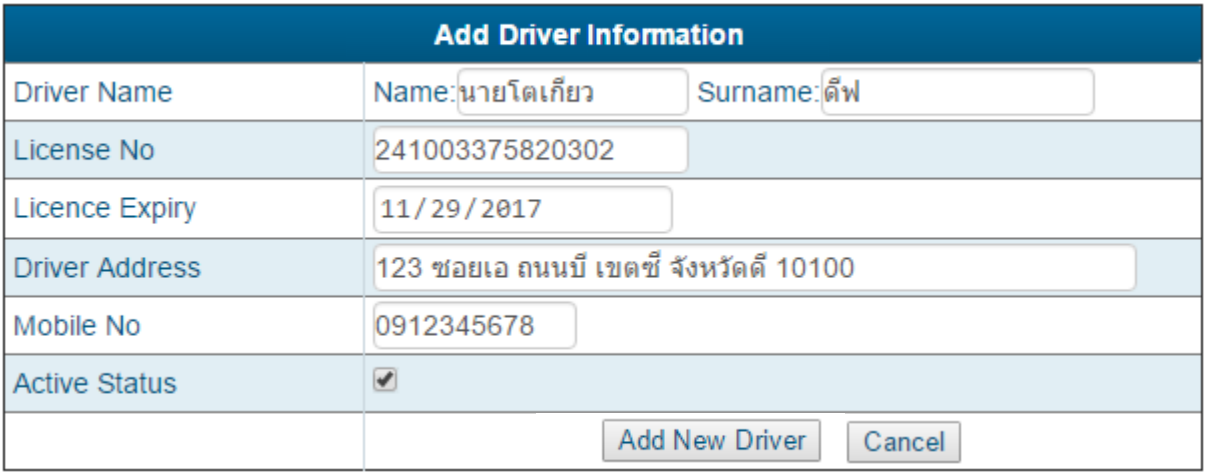

Fig. 15. **Form add new driver information.**

16. Form show more driver information. The system will show in the details below.

1) Driver Name.
2) License No.
3) License Expiry.
4) Driver Address.
5) Mobile No.
6) Active Status.

Driver Information	
Vehicle No	Siam
Vehicle Type	Ngan
Province	123456789012345679
Vehicle Register Type	2020-03-21
Unit ID	Bangkok
Chassis No	0981345987
Active Status	Active

Fig. 16. **Form show more driver information.**

17. Form for edit driver information. The system will fill in the details below.

1) Driver Name.
2) License No.
3) License Expiry.
4) Driver Address.
5) Mobile No.
6) Active Status.

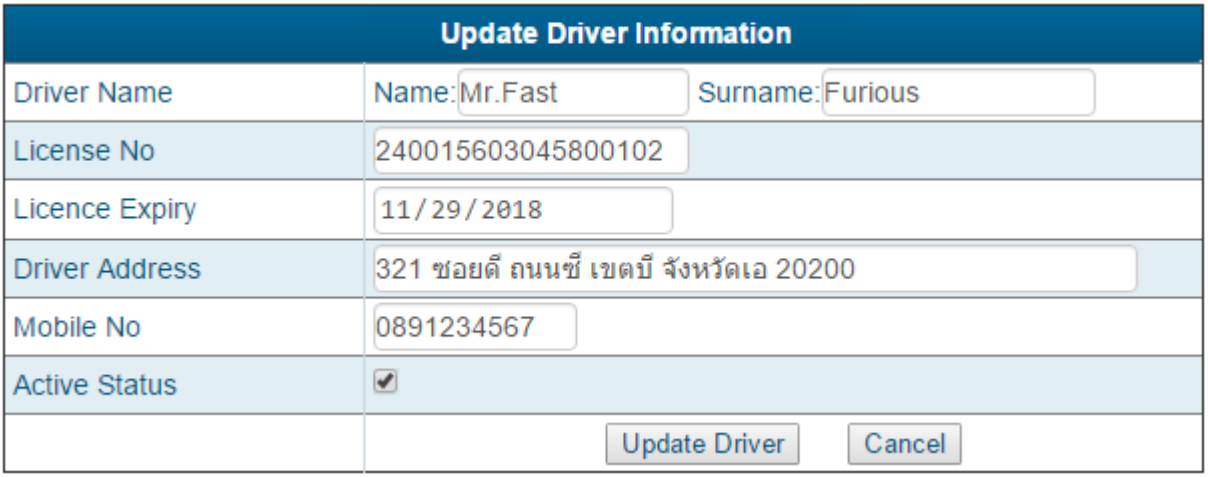

Fig. 17. **Form for edit driver information.**

18. Management system users on the system.

1) The menu bar on the left.
   a) All Users is show all user on system.
   b) Add New is add user in system.
   c) Collapse menu is the menu for hiding the menu bar on the left**.**
2) The system will all user in the system.
3) The system will enhance the users in the system.
4) Users can also use the system to search for information by entering a name or email address in the search field. Press Search Users will then be displayed for a search.
5) Edit user by clicking on “Edit” in the bottom of the column Username Password.
6) Delete user by clicking on “Delete” in the bottom of the column Username Password.

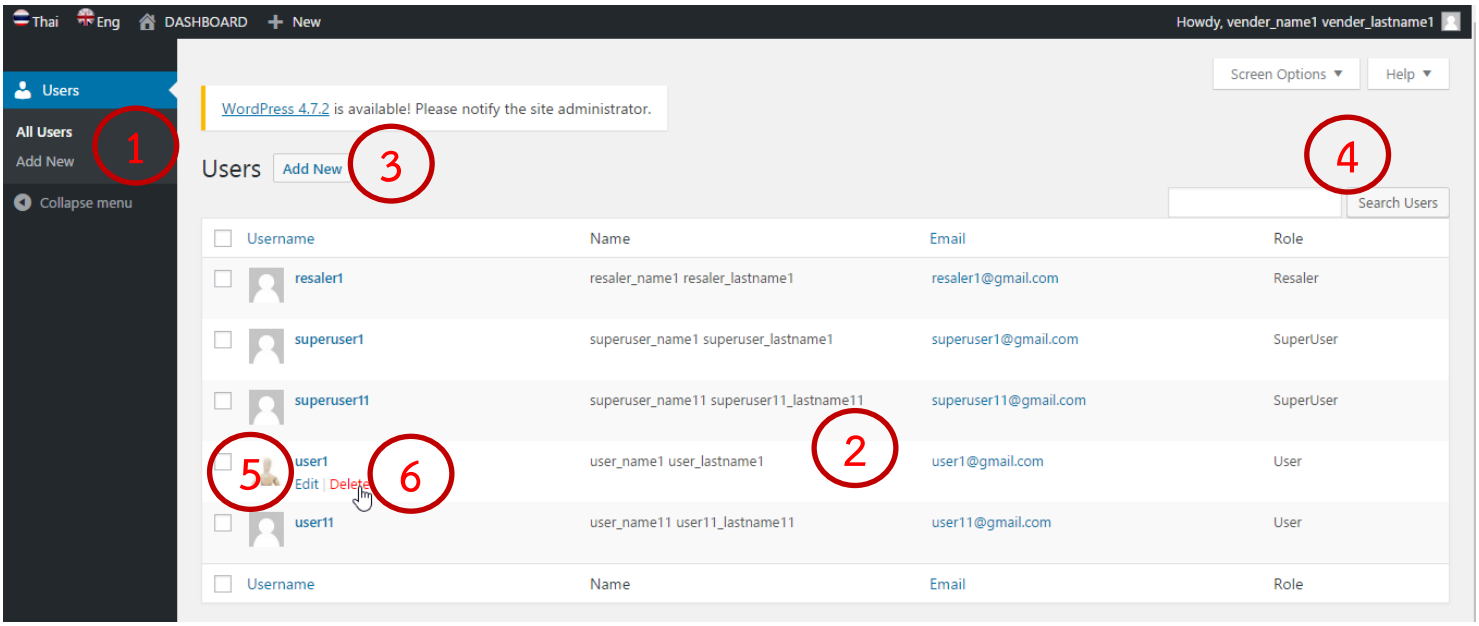

Fig. 18. **Management system users on the system.**

19. Form add new user on the system. This will provide additional details below.

1) Username.
2) Email.
3) First Name.
4) Surname.
5) Password.
6) Check box for confirm password.
7) Check box for receive user notification email.
8) Role.
9) Confirm button for add user to the system.

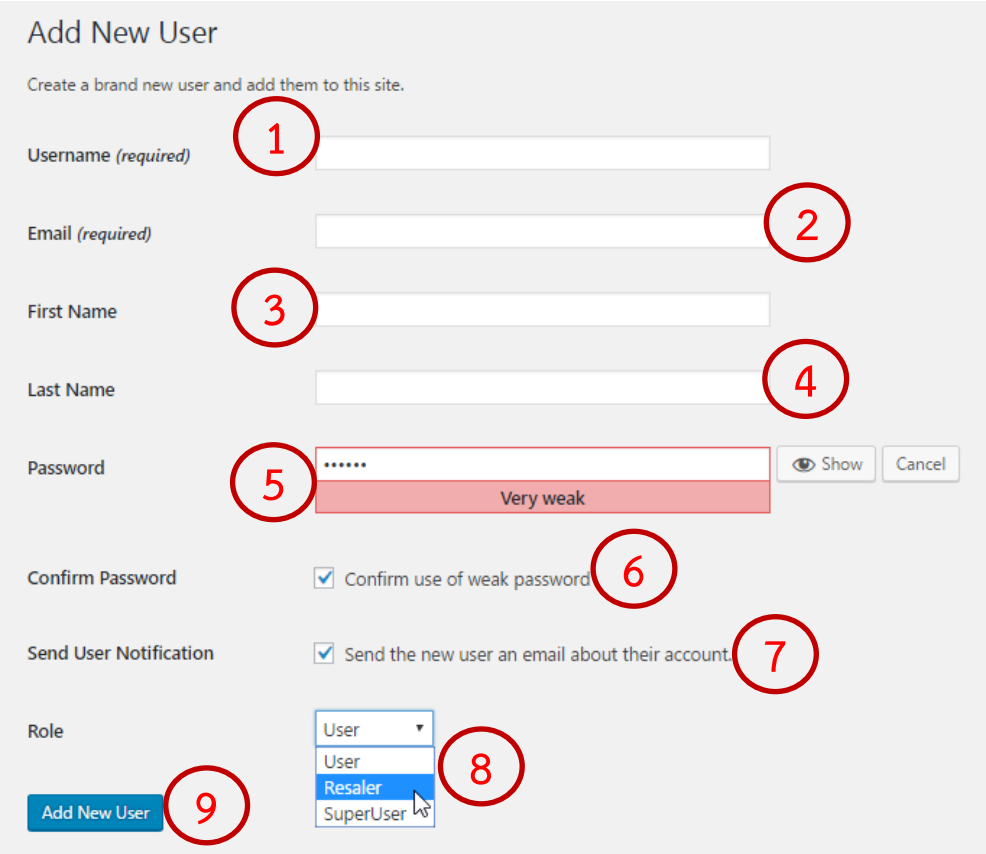

Fig. 19. **Form add new user on the system.**

20. Form edit new user on the system. This will provide additional details below.

1) Role.
2) First Name.
3) Surname.
4) Nickname.
5) Display name public.
6) Email.
7) Button generate new password.
8) Add other role for access the system.
9) Confirm button for edit user to the system.

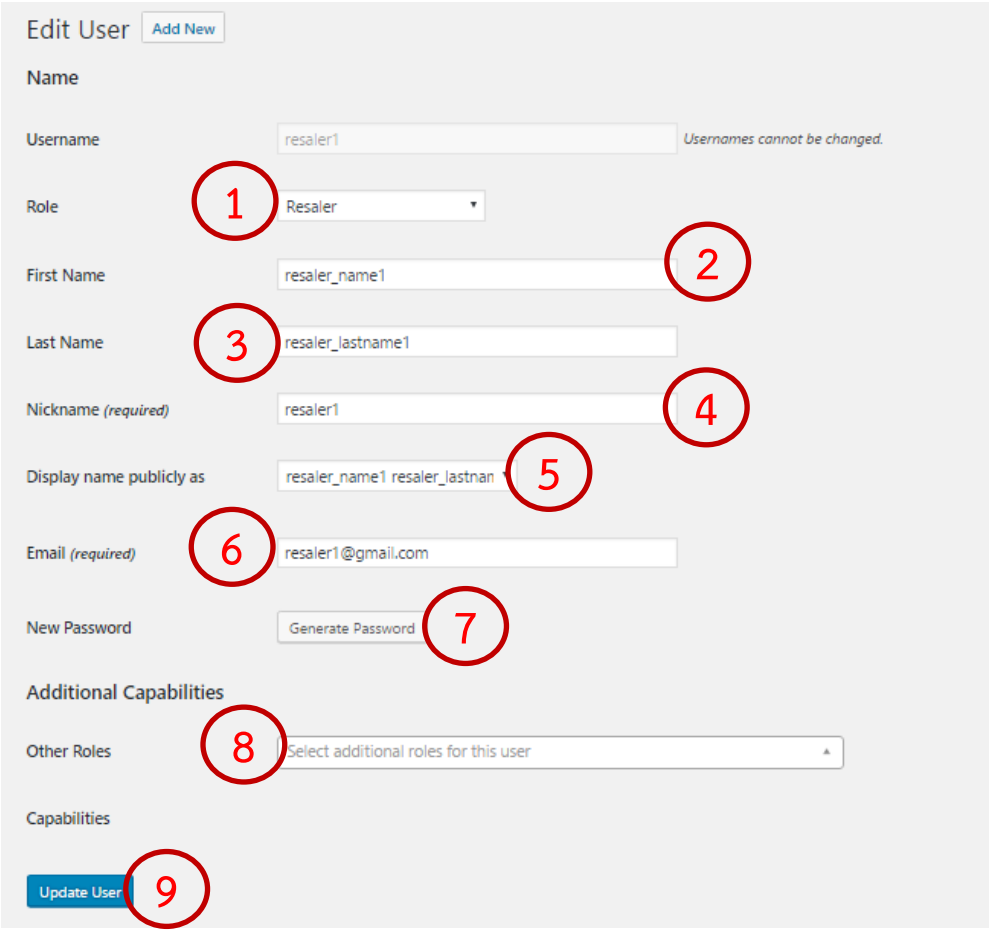

Fig. 20. **Form edit new user on the system.**