1. Plan a route(Shan)
2. Change a route
3. Change the language
4. Reset to factory settings
5. Plan a route using Points of Interests
6. Connect a cell phone(receive message and call)
7. Use hands free
8. Measure distance
9. Estimate arrival time
10. Install system
11. Setup LIVE services
12. View points of interest
13. Update TomTom
14. Add speed camera
15. Save favourite locations(Pimmy)
16. Call for help (Marcus)
17. Show traffic information
18. Setup voice guidance and control
19. Correct a map (Michael)
20. Enter location by voice
21. Display recent locations
22. change startup settings
23. View the route
24. Set home location (Luuk)
25. Set TMC frequency

Plan a route(outline)

Brief Description:

The user as an actor interact with this use case. The purpose is to satisfy the basic requirement from customers to find out the right way to the specific destination.

Basic Flows:

1. User open the Main menu
2. User tap “Navigate To”
3. User tap”Address”
4. User select the country for the first time use
5. User type in the city name,street name and house number
6. User choose destination by click “Select”
7. User select a favorite route from TomTom to start
8. User tap “Done” after the new route shows on the monitor
9. TomTom finished planning a route

Alternate Flows:

1. At 1, power has run out
2. At 3. *plan the route from another start point* by tap *“Plan route”*
3. At 4, address searching is not available
4. At 4, if its the first time to plan a route, TomTom will need the name of country, state or region.
5. At 6, use the microphone function to input address by voice
6. At 7, TomTom can not connect to satellite
7. At 7, non-accessible route find between starting point and end point
8. At 3479, touch screen cannot touchable

Subflows:

S1. At 6, use the microphone function to input address by voice

1. Select starting point
2. Select destination
3. Choose the type of route
4. Choose starting time
5. Select new route

Special Requirement:

Should not be operated where it can interfere with electrical devices.

Requires access to the global positioning system satellites.

Usr should not be within 20 cm of the device when operating.

Preconditions:

The system must be switched on.

Post Conditions:

Extension Points:

6 step (include) save favorite history

After selected destination, the address could be solve into use’s favourite history by Save Favourite Location use case.

**Scenarios:**

<Plan a route to Chalmers campus Lindholmen>

a driver open the Main menu in Tomtom before traveling, then tap “Navigate To” and ”Address” , respectively. the driver selects “Sweden” for setting the route following by typing “Gothenburg”, street (if known) and building number. On the other hand, the driver can also enter “Chalmers” to find the route. Then, the driver chooses destination by clicking “Select” and finally taps “Done” after the new route shows on the monitor.

**Save favourite locations (Outline)**

Brief Description: Driver want to save locations which is usually visited as favorite location.

**Basic Flow**

1. Use case begins when driver selects main menu. Tap on the screen to bring up the Main Menu

2. Driver taps setting to open the Settings menu.

3. Driver taps Manage Favorites.

4. Driver taps add to add a favorite.

5. Driver adds a favorite.

6. Driver enters a name for the location.

7. Driver taps “OK” to save the favorite location.

8. New favorite appears in the list. The user case ends.

**Alternative flow**

A1 – After driver has added 2 or more favorites, the driver is asked to make regular trips to the same locations. If the driver tap yes, the destination s is added to the favorite destinations.

**Subflows**

S1 - Set home location as a favorite.

1. Driver taps add to go through add favorite page.

2. The driver tap home to set home location as favorite.

3. Driver enters a name for the location.

4. Driver taps “OK” to save the favorite location. The subflow completes.

S2 - Set recent destination as a favorite.

1. Driver taps add to go through add favorite page.

2. Driver tap Recent destination to create a new favorite.

3. Driver enters a name for the location.

4. Driver taps “OK” to save the favorite location. The subflow completes.

S3 – use local search to setup a favorite.

1. Driver taps add to go through add favorite page.

2. Driver tap local search button to use TomTom Local Search with Google fine locations.

3. Driver enters location name or key word.

4. Driver selects a location from the search results.

5. Driver enters a name for the location.

6. Driver taps “OK” to save the favorite location. The subflow completes.

S4 – set Point of interest as a favorite.

1. Driver taps add to go through add favorite page.

2. Driver tap point of Interest.

3. Driver enters a name for the location.

4. Driver taps “OK” to save the favorite location. The subflow completes.

S5 – set current location as a favorite.

1. Driver taps add to go through add favorite page.

2. Driver taps My location to set the current location as a favorite.

3. Driver enters a name for the location.

4. Driver taps “OK” to save the favorite location. The subflow completes.

S6 – Using Map Browser to create a favorite.

1. Driver taps add to go through add favorite page.

2. Driver taps Point on map to add a favorite.

3. Drivers use cursor to select the location of the favorite.

4. Driver tap done.

5. Driver enters a name for the location.

6. Driver taps “OK” to save the favorite location. The subflow completes.

S7- Enter latitude and longitude values as a favorite.

1. Driver taps add to go through add favorite page.

2. Driver taps latitude longitude button to create a favorite.

3. Driver enters a name for the location.

4. Driver taps “OK” to save the favorite location. The subflow completes.

S8 – saying address to create a favorite.

1. Driver taps add to go through add favorite page.

2. Driver tap Spoken address.

3. Drivers say an address to create a favorite.

4. Driver enters a name for the location.

5. Driver taps “OK” to save the favorite location. The subflow completes.

S9 – Using position of last stop as a favorite.

1. Driver taps add to go through add favorite page.

2. Driver taps Position of last stop.

3. Driver select last record position as destination.

4. Driver enters a name for the location.

5. Driver taps “OK” to save the favorite location. The subflow completes.

S10 – enter an address as a favorite

1. Driver taps add to go through add favorite page.

2. Driver taps address.

3. Driver enter an address as a favorite.

4. Driver enters a name for the location.

5. Driver taps “OK” to save the favorite location. The subflow completes.

**Call for help.**

User wants to reach a specific service center.

Basic Flow

1.Use case begins when the user selects main menu. Gps is started.

2.User brings up main menu and selects help then phone for help. Gps retrieves a list of service centers.

3.User selects the service center he wants to contact. Gps retrieves the number of the service center.

4.User selects navigate there. Gps calculates and shows shortest route, use case ends.

Alternate Flow

1. User chooses not to navigate to the service center and use case ends.

Subflows

S1 User wants to walk to service center

1.Use case begins when the user selects main menu. Gps is started.

2.User brings up main menu and selects help then phone for help. Gps retrieves a list of service centers.

3.User selects the service center he wants to contact. Gps retrieves the number of the service center.

4.User selects walk to help. Gps calculates and shows shortest foot route, use case ends.

S2 User wants to drive to service center

1.Use case begins when the user selects main menu. Gps is started.

2.User brings up main menu and selects help then phone for help. Gps retrieves a list of service centers.

3.User selects the service center he wants to contact. Gps retrieves the number of the service center.

4.User selects drive to help. Gps calculates and shows shortest car route, use case ends.

S3 User has connected his phone to the device.

1.Use case begins when the user selects main menu. Gps is started.

2.User brings up main menu and selects help then phone for help. Gps retrieves a list of service centers.

3.User selects the service center he wants to contact. Gps calls the number of the service center on the connected phone, use case ends.

**Recent locations:**

The TomTom shall be able to display recent locations traveled to and the user may choose

one of the locations in the list.

***Basic Flow:***

1. User turns on the TomTom GO and GPS display lights up

2. User opens menu options.

3. Selects the “Recent destination” option

4. “Recent Destination” window displayed with list of recent locations traveled to.

5. User selects a location and route begins.

6. When route finishes, the destination is saved to recent destinations. The use case ends.

***Alternative Flows:***

A1

1. When a route is selected another destination may accidentally be selected instead of the route selected.

2. Returns to list in order to choose correct location.

3. Route begins.

A2.

1. User decides not to travel to a recent location and exits window in order to return to main menu.

***Subflows:* (**Can only think of this subflow)

S1. User selects “recent destination” option.

1. Open “recent destinations” window

2. Clears the list

3. Exits window

4. Enters new route. The subflow completes.

Correct a Map

User wishes to correct an error on a map

Basic Flow

1. *Join map share* community

2. User finds error

3. Set driving view

4. Mark location with report button

5. Tap map corrections in services menu

6. Tap correct map error

7. Select type of correction

8. Select location

9. Enter correction details

10. Tap done

11. Tap send

12. Connect to a computer to update

Alternative flow

1. At 4, if report button not shown

2. Tap **Map corrections** in the services menu.

3. Tap **Map correction settings.**

4. Select the type of corrections you want to download. Then tap **Done**.

5. Read the instructions on the screen. Then tap **Continue**.

6. Select how you want to share your map corrections. Then tap **Next**.

7. Select **Show report button**. Then tap **Done**.

Subflows

S1. Join map share

1. Tap map corrections in services menu

2. Tap corrections from others

3. Read description and tap join

4. Read description and tap continue

5. Select category of corrections to use

6. Tap done

7. Connect GO to a computer to send and receive map corrections

### Set Home Location (Luuk)

User wishes to set or change Home Location

Basic Flow

1. Go to Main Menu

2. Tap Settings in the Main Menu.

3. Tap Change Home Location

4. Select location (S1)

5. Tap done

### Alternative flow

1. During first startup, the device will prompt you to set a home location, select Yes

2. Select location (S1)

### Subflow

**S1: select location type**

1. You can choose your home location as a POI (S2), latitude and longitude (S3), or address (S4).

**S2: POI**

2. If selecting a POI, select the type of POI you are searching for

3. Out of a list of POIs, sorted by proximity, pick a POI

4. Tap Done

**S3: Latitude and longitude**

2. If selecting Latitude and Longitude, fill in these two values

3. Tap Done

**S4: Address**

2. If selecting an address, type in the first few letters of your city and state (the zip code is optional),

3. Type in the first few letters of your street name

4. Type in the house number

5. Tap Done