Sprint 7
Subrules

Improving usability of entering large amounts of fixed rules

Dynamic Rule Locations

A dynamic rule may optionally have a Departure and Destination location

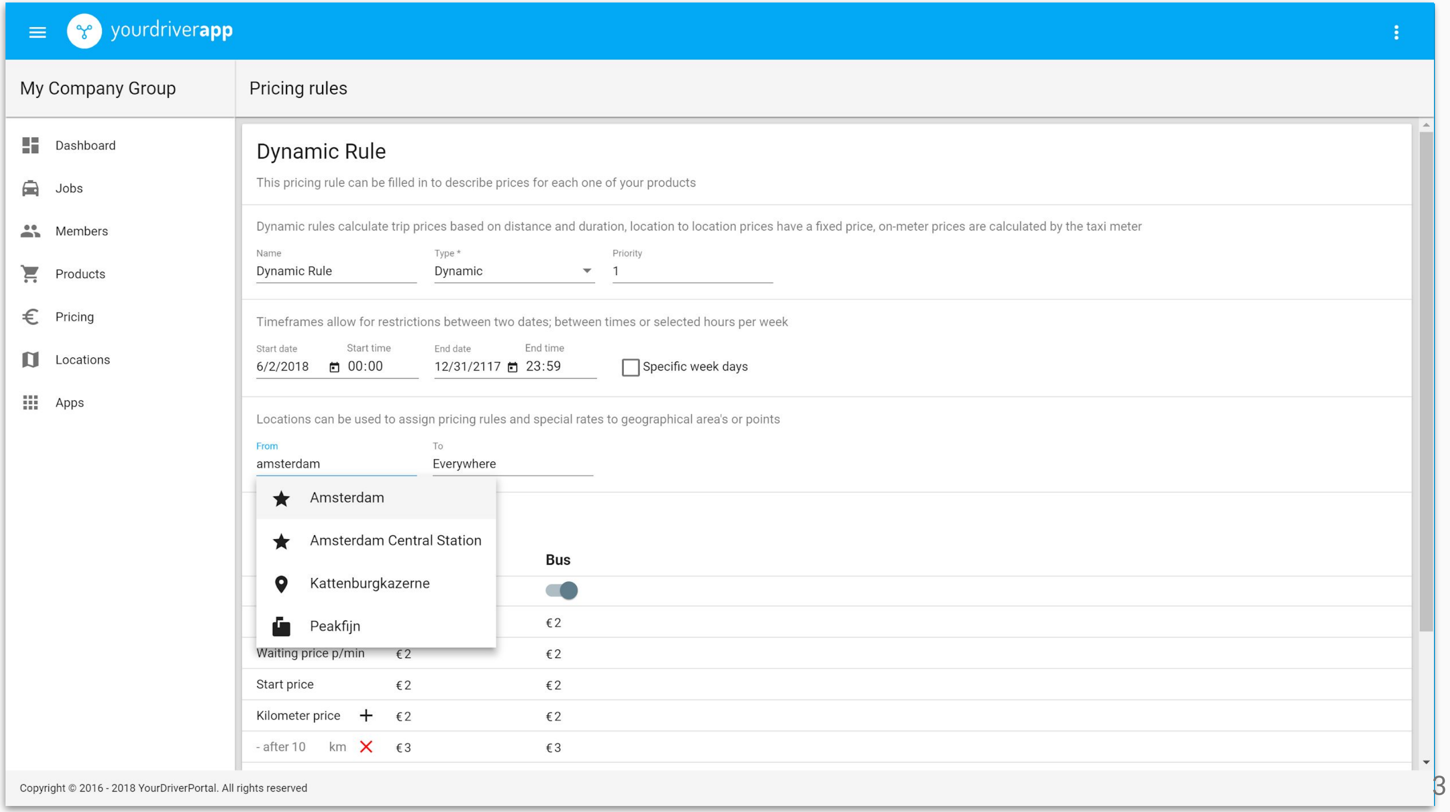
If a location is left empty, the location is assumed to be ‘Everywhere’

When the user starts typing in the location field, suggestions of already created locations are displayed, including locations created by developers, which are available to all users

If no suggestion is found, but the user enters the value, a propt asks the user to create a new location

Dynamic Rule Locations

Search suggestions are based on the location name and address



yourdriverapp

My Company Group

Pricing rules

- Dashboard
- Jobs
- Members
- Products
- Pricing
- Locations
- Apps

Dynamic Rule

This pricing rule can be filled in to describe prices for each one of your products

Dynamic rules calculate trip prices based on distance and duration, location to location prices have a fixed price, on-meter prices are calculated by the taxi meter

Name	Type *	Priority
Dynamic Rule	Dynamic	1

Timeframes allow for restrictions between two dates; between times or selected hours per week

Start date	Start time	End date	End time	
6/2/2018	00:00	12/31/2117	23:59	☐ Specific week days

Locations can be used to assign pricing rules and special rates to geographical area's or points

From	To
amsterdam	Everywhere

- Amsterdam
- Amsterdam Central Station
- Kattenburgkazerne
- Peakfijn

		Bus
		●
		€ 2
Waiting price p/min	€ 2	€ 2
Start price	€ 2	€ 2
Kilometer price +	€ 2	€ 2
- after 10 km ✕	€ 3	€ 3

Fixed Rule Locations

A fixed / location to location rule can have multiple subrules to speed up creation of each price definition, having:

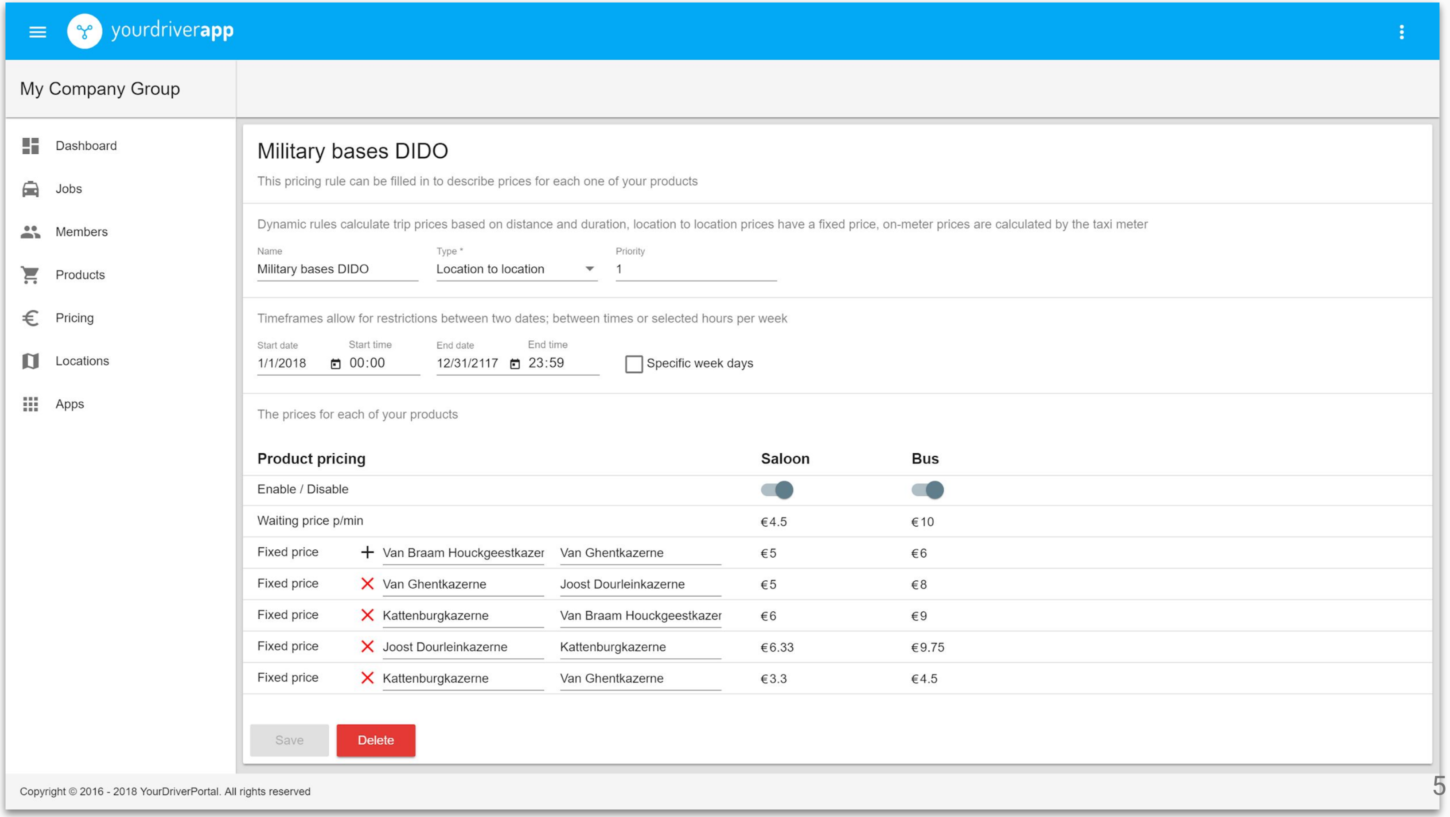
1. Departure
2. Destination
3. Fixed price for each product

Departure and Destination are required properties

Fixed Rule Locations

Like the threshold rows in the dynamic price rules, sub rules can be added by clicking the plus sign

A fixed rule must have both departure and destination locations defined



Military bases DIDO

This pricing rule can be filled in to describe prices for each one of your products

Dynamic rules calculate trip prices based on distance and duration, location to location prices have a fixed price, on-meter prices are calculated by the taxi meter

Name	Type *	Priority
Military bases DIDO	Location to location	1

Timeframes allow for restrictions between two dates; between times or selected hours per week

Start date	Start time	End date	End time	
1/1/2018	00:00	12/31/2117	23:59	☐ Specific week days

The prices for each of your products

Product pricing				Saloon	Bus
Enable / Disable				●	●
Waiting price p/min				€4.5	€10
Fixed price	+	Van Braam Houckgeestkazer	Van Ghentkazerne	€5	€6
Fixed price	✕	Van Ghentkazerne	Joost Dourleinkazerne	€5	€8
Fixed price	✕	Kattenburgkazerne	Van Braam Houckgeestkazer	€6	€9
Fixed price	✕	Joost Dourleinkazerne	Kattenburgkazerne	€6.33	€9.75
Fixed price	✕	Kattenburgkazerne	Van Ghentkazerne	€3.3	€4.5

On-meter

A change to estimations and on-meter prices is bringing the settings to the Apps view

If a location is not provided by the bookings app, no price can be calculated, and therefore users must be able to define whether they would like prices to be calculated in a later stage

The table in the next slide shows eight situations, whether products are shown, whether prices are calculated or estimated, and if meter prices can be used

🟩 = on ⬜ = off 🟥 = impossible

show - products are shown, regardless of whether prices have been calculated for them

prices - prices have been calculated

estimation - prices have not been calculated

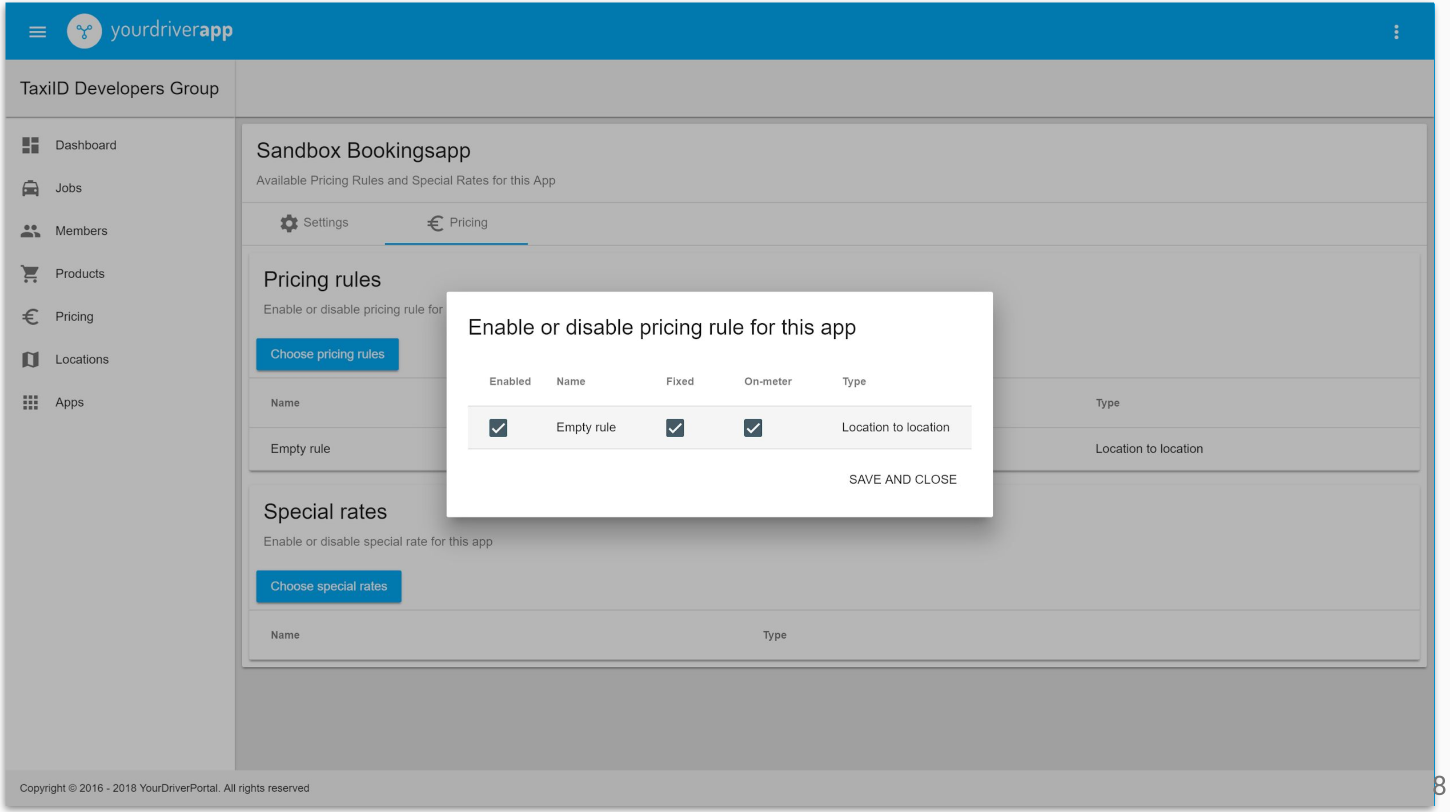
on-meter - allow app to determine the price on meter

Both locations provided	Is fixed	Is on-meter
🟩 show →	🟩 prices	🟩 on-meter
🟩 show →	🟩 prices	⬜
🟩 show →	⬜ estimation →	🟩 on-meter
🟩	🟥	🟥
⬜ show	🟩	🟩
⬜	🟩	⬜
⬜ show	⬜	🟩
⬜	🟥	🟥

Eight situations depending on settings and whether a destination is provided

Estimations Select

If a rule is enabled, the fixed and/or the on-meter checkbox must be enabled



Sandbox Bookingsapp

Available Pricing Rules and Special Rates for this App

Pricing rules

Enable or disable pricing rule for

Name	Type
Empty rule	Location to location

Enable or disable pricing rule for this app

Enabled	Name	Fixed	On-meter	Type
✓	Empty rule	✓	✓	Location to location

Special rates

Enable or disable special rate for this app

Name	Type

Authorization

A token is requested from the core API whenever group routes are being accessed

This token is stored in localstorage

The token is sent to TPS on every request

TPS limits the user’s access to resources that are not bound to the JWT payload identity

Authorization - Requesting JWT

```
/**
 * See if route can be activated.
 */
canActivate(
  route: ActivatedRouteSnapshot
): Observable<boolean> | Promise<boolean> | boolean {

  // Identity information from url and local storage
  const companyId = route.params.id;
  const daAppInstallId = this.getFromStorage(
    vaultPrefix + '.driver',
    'daAppInstallId'
  );

  ...
```

```
  ...

  // See if JWT exists, or request a new one
  const jwtName = jwtKeyName(companyId);
  if (this.itemIsSet(jwtName)) return true;

  // Request new JWT and return the status as a boolean
  return this._companyService.getNewJWT(companyId, daAppInstallId)
    .map(response => {
      this._vault.setItem(jwtName, 'Bearer ' + response.jwt);
      return this.itemIsSet(jwtName);
    })
    .catch(() => Observable.of(false));
}
```

Authorization - Sending JWT in Headers

```
/**
 * Retrieve JWT token as headers.
 */
getJWTHeaders = (): HttpHeaders => {

  const companyId =
        this._router.routerState.snapshot.root.firstChild.params['id'];

  const bearer = this._vault.getItem([
    environment.vaultPrefix,
    companyId,
    'jwt',
  ].join('.') || 'Bearer ');

  return new HttpHeaders()
    .set('Accept', 'application/json')
    .set('Authorization', bearer);
}
```

Authorization - Authorizing Request

The JWT payload id’s are added to the query filters to only allow certain resources to be accessible

```
// Ensure filter exists
if (!ctx.args.filter) ctx.args.filter = {};
if (!ctx.args.filter.where) ctx.args.filter.where = {};

// If belongsTo company, force JWT token companyId
if (relatedToCompany) {
  if (ctx.args.data) ctx.args.data.companyId = companyId;
  ctx.args.filter.where.companyId = companyId;
}

// If belongsTo daAppInstall, force JWT token daAppInstallId
if (relatedToDaAppInstall) {
  if (ctx.args.data) ctx.args.data.daAppInstallId = daAppInstallId;
  ctx.args.filter.where.daAppInstallId = daAppInstallId;
}
```