

Sprint 5

Thresholds

Improving thresholds, specific week days, price estimations, portal authentication, and implementing location to location rules

Thresholds

1. Thresholds are embedded as arrays in the fixedPrice and dynamicPrice entities
2. Thresholds do not rely on id's
3. Thresholds are sorted before they are added based on threshold property ASC
4. There must not be duplicate thresholds, ex: that there are two thresholds at 15 min
5. Thresholds can be edited, but will not automatically sort in the frontend

Thresholds

The + icon adds a threshold under the kilometer or minute price. The x icon removes a threshold.

yourdriverapp

taxiID Developers Group

Pricing rules

Dashboard

Jobs

Members

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Pricing

Locations

Apps

Dynamic Test Rule

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

Name

Dynamic Test Rule

Type *

Dynamic

Priority

2

Start date

5/4/2018

Start time

12:16

End date

12/31/2117

End time

00:00

☐ Specific week days

Product pricing		Saloon	Estate	Minivan	Bus	Limo
Enable / Disable		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Waiting price		€1	€1	€1	€1	€1
Minimum price		€1	€1	€1	€1	€1
Start price			€1	€1	€1	€1
Kilometer price	+	€1	€1	€1	€1	€1
- after 10 km	X	€3	€4	€5	€6	€7
- after 15 km	X	€2	€3	€4	€4	€6
Minute price	+	€1	€2	€2	€3	€4
- after 10 min	X	<div>Remove threshold</div>	€3	€4	€5	€6

Save

Delete

Thresholds

The threshold property can be modified, just like the prices in each product column.

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☐ Specific week days

Product pricing	Saloon	Estate	Minivan	Bus	Limo
Enable / Disable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Waiting price	€1	€1	€1	€1	€1
Minimum price	€1	€1	€1	€1	€1
Start price	€1	€1	€1	€1	€1
Kilometer price	€1	€1	€1	€1	€1
- after 12 km	€3	€4	€5	€6	€7
- after 15 km	€2	€3	€4	€4	€6
Minute price	€1	€2	€2	€3	€4
- after 10 min	€2	€3	€4	€5	€6

Save

Delete

Thresholds

A warning is shown if thresholds exist, or if zero threshold prices are submitted.

The screenshot shows the 'yourdriverapp' interface for the 'TaxiID Developers Group'. The left sidebar contains navigation links: Dashboard, Jobs, Members, Products, Pricing, Locations, and Apps. The main content area is titled 'This pricing rule can be filled in to describe prices for each one of your products'. It includes a section for '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' with fields for Name (Dynamic Rule), Type (Dynamic), and Priority (1). Below this is a 'Timeframes allow for restrictions between two dates; between times or selected hours per week' section with date and time pickers. The main section is 'The prices for each of your products', which contains a table for 'Product pricing' with columns for 'Saloon' and 'Estate'. The table has rows for 'Enable / Disable', 'Minimum price', 'Waiting price', 'Start price', 'Kilometer price', and 'Minute price'. A red arrow points to the 'Kilometer price' row, which shows a red 'X' in the 'Saloon' column. A modal dialog titled 'Failed to update' is displayed in the center, with the message 'No duplicate thresholds or zero threshold prices allowed.' and an 'OK' button. The footer of the page reads 'Copyright © 2016 - 2018 YourDriverPortal. All rights reserved'.

yourdriverapp

TaxiID Developers Group

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: Dynamic Rule, Type: Dynamic, Priority: 1

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

Start date: 12/31/2016, Start time: 00:00, End date: 12/31/2117, End time: 00:00, ☐ Specific week days

The prices for each of your products

Product pricing	Saloon	Estate
Enable / Disable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Minimum price	€0	€0
Waiting price	€0	€0
Start price	€0	€0
Kilometer price	+	€0
- after 10 km	✗ €1	€1
- after 15 km	✗ €1	€1
- after 15 km	✗ €1	€1
Minute price	+	€0

Failed to update

No duplicate thresholds or zero threshold prices allowed.

OK

Save Delete

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Thresholds, functional filter

```
/**
 * Check all prices for no duplicate thresholds etc.
 */
getDuplicates = (array: any[]) => array.reduce((acc, el, i, arr) => {
  if (arr.indexOf(el) !== i && acc.indexOf(el) < 0) { acc.push(el); }
  return acc;
}, []);
noDuplicateThresholds = (prices: Price[]) => prices.every(p =>
  ['priceDynamic', 'priceFixed'].every(priceType =>
    ['distance', 'duration'].every(metricType =>
      !this.getDuplicates(p[priceType].thresholds
        .filter(t => t.type === metricType)
        .map(t => t.threshold)).length)));
noZeroThresholdPrices = (prices: Price[]) => prices.every(p =>
  p.priceDynamic.thresholds.every(t => t.value > 0)
  && p.priceFixed.thresholds.every(t => t.value > 0));
```

```
if (
  !this.checkIf(this.form.value.prices,
    this.noDuplicateThresholds,
    this.noZeroThresholdPrices)
) {
  this._dialogService.openAlert({
    title: 'Failed to update',
    message: 'No duplicate thresholds or ...',
    disableClose: true,
    closeButton: 'OK',
  });
}
```

Specific Week Days

1. When specific week days is unchecked, start time and end time can be specified
2. When specific week days is checked, the usual timeframe selector is displayed

Specific Week Days

When the specific week days option is disabled, start and end time can be defined to make the date definitions more precise

yourdriverapp

taxiID Developers Group

Dashboard

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Products

Pricing

Locations

Apps

Pricing rules

Location to Location Test Rule

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

Name

Location to Location Test Rul

Type *

Location to location

Priority

1

Start date

1/1/2018

Start time

00:00

End date

12/31/2117

End time

00:00

☐ Specific week days

Product pricing	Saloon	Estate	Minivan	Bus	Limo
Enable / Disable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Waiting price	€2	€2	€2	€2	€3
Fixed price	€20	€30	€40	€50	€60

Save

Delete

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Specific Week Days

When the specific week days option is enabled, days in the week can be defined more precisely with the granularity of an hour

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Pricing rules

Location to Location Test Rule

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

Name

Location to Location Test Rule

Location to location

Priority

1

Start date

1/1/2018

End date

12/31/2117

☒ Specific week days

Each row represents 24 hours of a day in the week. Click on the hours in the schedule to mark them as active

	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
Mon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fri	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sun	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Product pricing

Saloon

Estate

Minivan

Bus

Limo

Enable / Disable

☒

☒

☒

☒

☒

Waiting price

€2

€2

€2

€2

€3

Fixed price

€20

€30

€40

€50

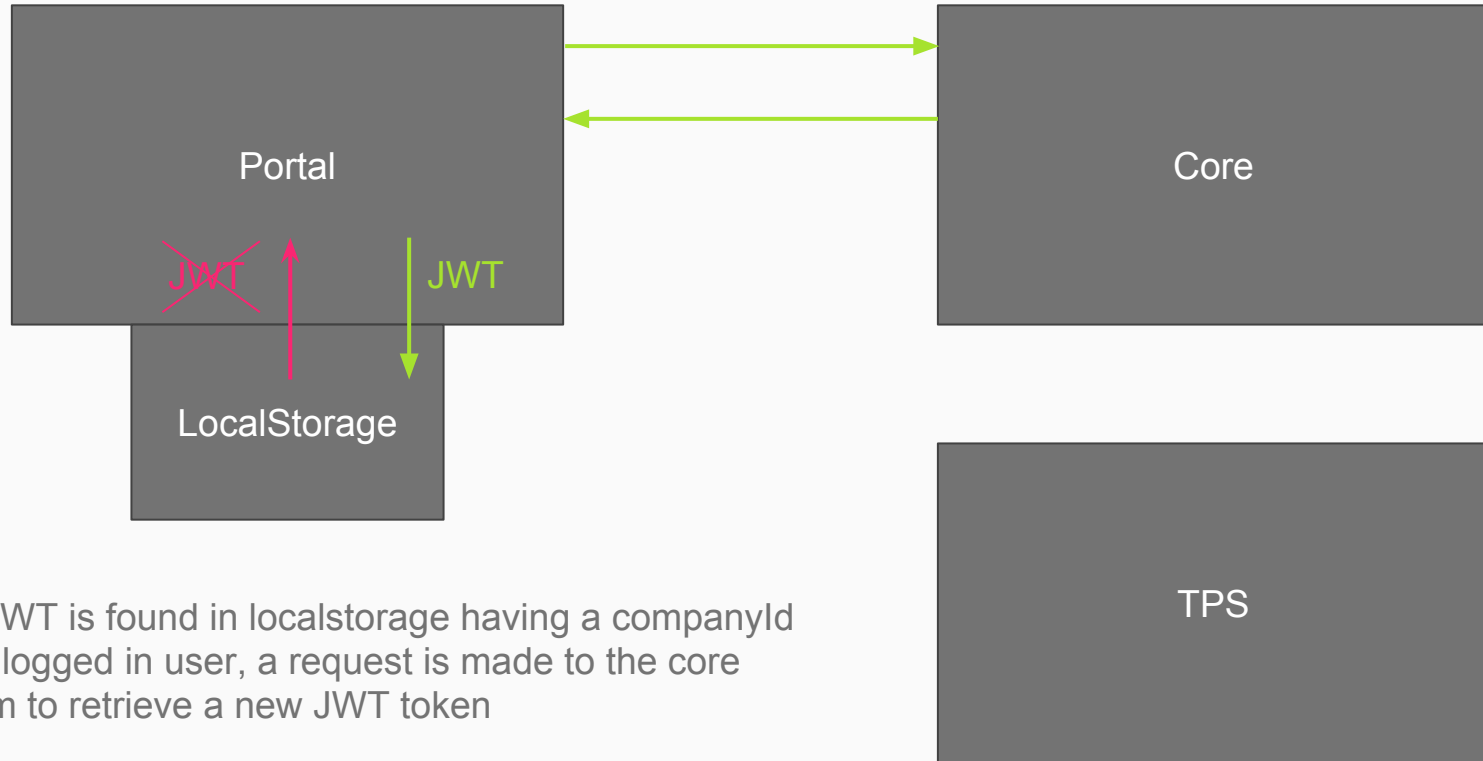
€60

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Price Estimations

1. Relations between the following entities have been made polymorphic hasMany through:
 - a. DaAppInstall - Rule
 - b. DaAppInstall - Discount
 - c. Debtor - Rule
 - d. Debtor - Discount
2. The relations are defined as models called links: ruleLink & discountLink
3. The link between rule and DaAppInstall has a property 'isEstimated': true | false

Portal Authentication



If no JWT is found in localstorage having a companyId of the logged in user, a request is made to the core system to retrieve a new JWT token

Portal Authentication



Automatic Company and DaAppInstall Sync

1. An endpoint allows companies and daAppInstall entities to be created in TPS
2. The following properties are required:
 - a. `companyId`
 - b. `daAppInstallId`
 - c. `name`
 - d. `country`: ISO Alpha-2 country code
3. The Core tries to keep TPS up to date on companies and daAppInstalls that are added