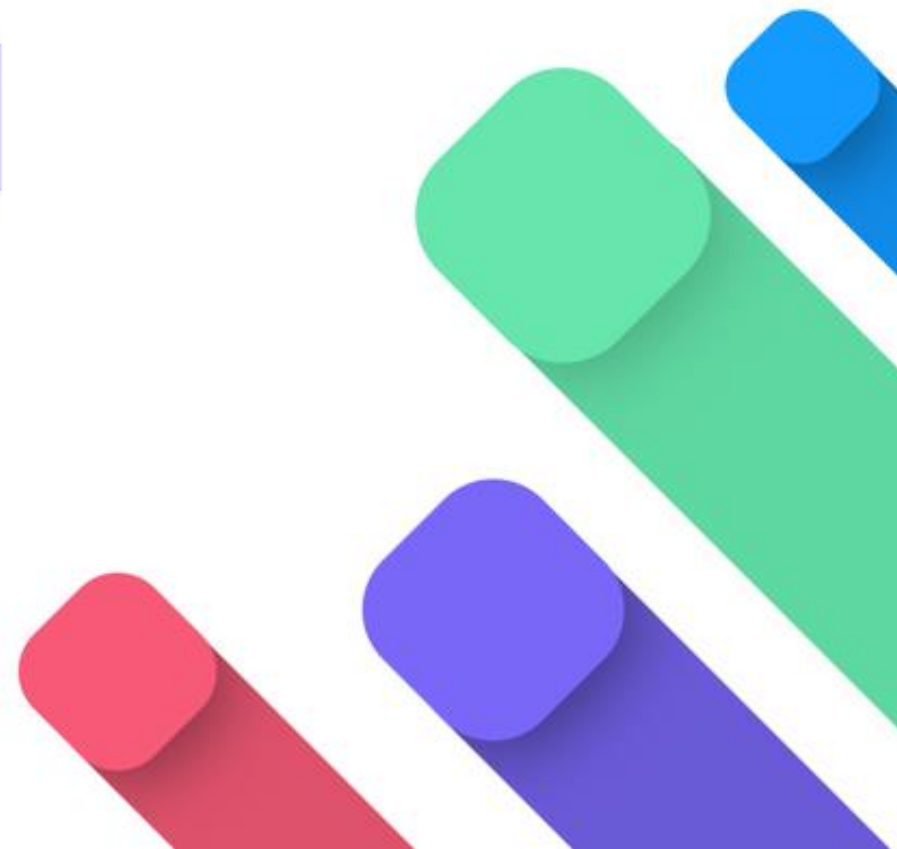




Uno ^{3.1}
P L A T F O R M

Now Available



Can I make business apps with the
Uno Platform?

Future Of DotNet

<https://youtube.com/FutureOfDotNet>



My troubles

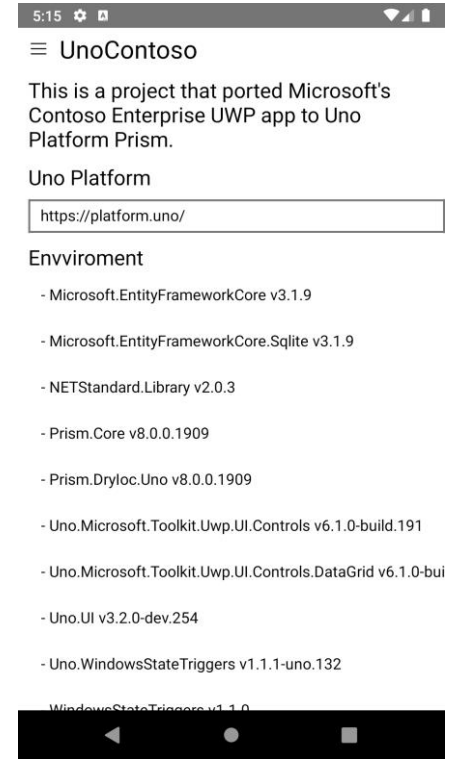
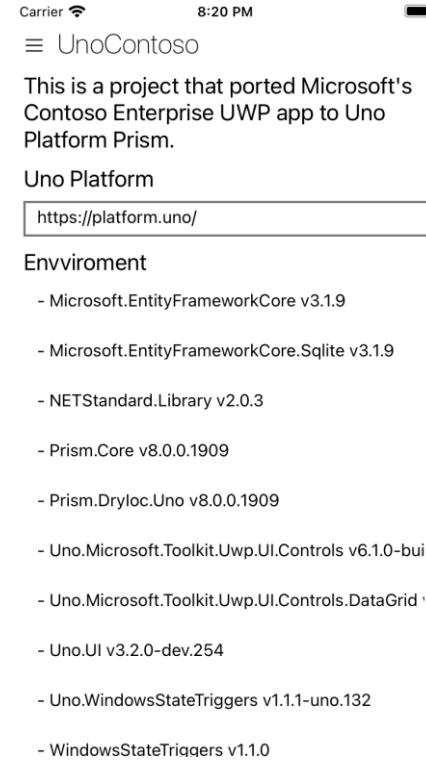
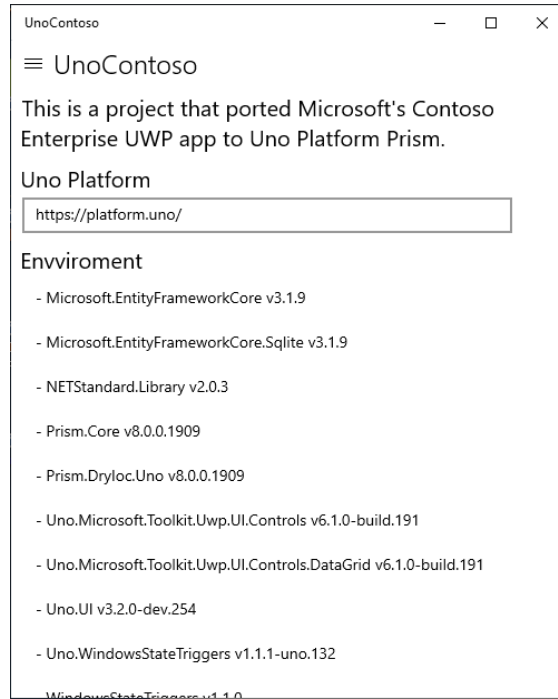
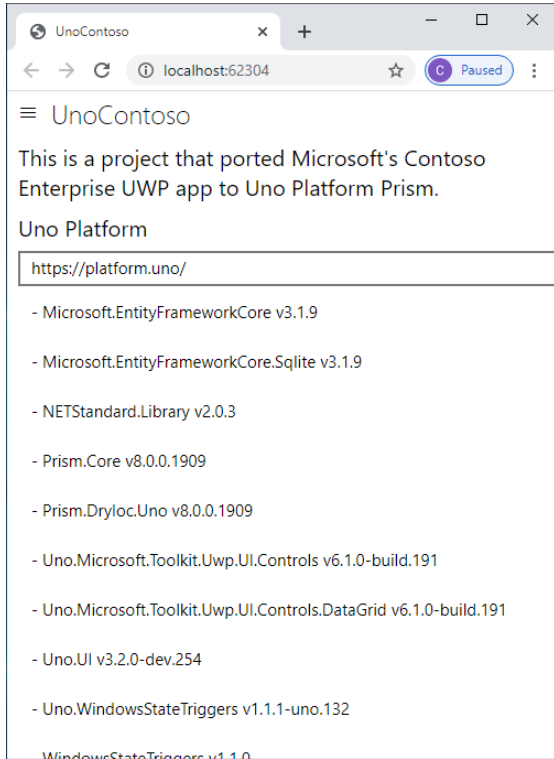
- Does the UI output the same for each platform?
- I haven't made any Android or iOS apps before. Is it okay?
- Can it run on Windows 7?
- It's nice if it runs on macOS too...(Even a simple screen...)
- Are there cross-platforms running on IoT devices?
- Will there be enough performance to use for each platform without any problems?

Contoso UWP app

- Source
 - <https://github.com/microsoft/Windows-appsample-customers-orders-database>
- Entity Framework Core v2.1.4
 - Sqlite, SqlServer
- ASP.NET Core 2.1 Web
- Microsoft.Toolkit.Uwp v4.0.0
- Microsoft.Toolkit.Uwp.UI.Controls.DataGrid v4.0.0
- NETStandard.Library v2.0.3

UnoContoso

- Source
 - [unoplatform/Uno.Samples: A collection of code samples for the Uno Platform \(github.com\)](https://github.com/unoplatform/Uno.Samples)
- Entity Framework Core v3.1.9
 - Sqlite
- ASP.NET Core 3.1 Web API
- Uno.Microsoft.Toolkit.Uwp.UI.Controls v6.1.0-build.191
- Uno.Microsoft.Toolkit.Uwp.UI.Controls.Data Grid v6.1.0-build.191
- NETStandard.Library v2.0.3



Home

UnoContoso

localhost:62304

Customer

First name	Last name	Address
Dawn	Raji	7710 Medina Drive, East Brisbane WA 4169
Karl	Pal	8675 Line Court, Berkshire WA RG11 5TP
Gary	Jimenez	707 Willcrest Circle, Hobart WA 7001
Amber	Evans	9363, rue Saint-Lazare, Saint-Denis WA 93400
Kelli	She	9323 Cowell Road, Goulburn WA 2580
Luke	Carter	7681 Fern Leaf Lane, Woodburn WA 97071
Andres	Pal	363, rue Jean Mermoz, Paris WA 75019
Eduardo	Hall	8128 Honey Trail Lane, Newton WA V2M1P1
Xavier	Smith	1, rue Pierre-Demoulin, Paris WA 75007
Lydia	Gonzalez	6984 Wardlow Lane, Beverly Hills WA 90210
Linda	Gill	Auf Der Steige 100, Dresden WA 01071
Lance	Blanco	Hansaallee 4626, Saarbrücken WA 66001
Daniel	Shimshoni	5690 Morgan Territory Rd, London WA SW19 9NU
Chloe	Mitchell	6900 Chisholm Way, Woodburn WA 97071
Bryce	Brooks	5508 Glenmount Dr., Royal Oak WA V8X 2L5
Kaylee	Gonzalez	6977 Evergreen Ct., Gold Coast WA 4217
Nicholas	Thompson	5910 St. James Court, WA 98145

UnoContoso

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Kaylee	Gonzalez	6977 Evergreen Ct., Gold Coast WA 4217

Carrier 10:28 PM

Customer

Dawn Raji (Northwind) 1 (11) 500 555-0126
7710 Medina Drive, East Brisbane

Karl Pal (Northwind) 1 (11) 500 555-0188
8675 Line Court, Berkshire WA

Gary Jimenez (Northwind) 1 (11) 500 555-0198
707 Willcrest Circle, Hobart WA

Amber Evans (AdventureWorks) 1 (11) 500 555-0131
9363, rue Saint-Lazare, Saint-Denis

Kelli She (AdventureWorks) 1 (11) 500 555-0146
9323 Cowell Road, Goulburn WA

Luke Carter (AdventureWorks) 658-555-0133
7681 Fern Leaf Lane, Woodburn WA

Andres Pal (AdventureWorks) 1 (11) 500 555-0138
363, rue Jean Mermoz, Paris WA

Eduardo Hall (AdventureWorks) 355-555-0111
8128 Honey Trail Lane, Newton WA

Xavier Smith (AdventureWorks) 1 (11) 500 555-0120
1, rue Pierre-Demoulin, Paris WA

Lydia Gonzalez (Contoso) 959-555-0196
6984 Wardlow Lane, Beverly Hills WA

5:21

Customer

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1, rue Pierre-Demoulin, Paris WA 75007

Lydia Gonzalez (Contoso) 959-555-0196

Customers

UnoContoso

localhost:62304

Orders

Invoice	Customer	Date	Total	Status
2156	Kathleen Rubio	1/23/2017	2,248.32	Filled
1043	William Martinez	1/23/2017	1,574.24	Filled
269	Andrea Howard	1/23/2017	3,690.65	Filled
651	Ruth Vance	1/23/2017	10,427.96	Filled
104	Ashley Johnson	1/23/2017	6,286.17	Filled
2391	Rebekah Arthur	1/23/2017	2,954.34	Filled
1524	Alexia Washington	1/23/2017	29,641.83	Filled
847	Keith Kumar	1/23/2017	6,045.69	Filled
2460	Emma Howard	1/23/2017	5,101.58	Filled
771	Nicole Long	1/23/2017	14,610.83	Filled
30	Brianna Griffin	1/23/2017	3,612.27	Filled
1096	Jonathan Nelson	1/23/2017	14,833.75	Filled
897	Jimmy Blanco	1/23/2017	5,063.02	Filled
2155	Reginald Gomez	1/23/2017	66.49	Filled
2214	Audrey Gomez	1/23/2017	3,518.18	Filled
1114	Alex Ramirez	1/23/2017	20,605.90	Filled

UnoContoso

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269	Andrea Howard	1/23/2017	3,690.65	Filled
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2214	Audrey Gomez	1/23/2017	3,518.18	Filled
1114	Alex Ramirez	1/23/2017	20,605.90	Filled

Carrier 10:29 PM

Orders

Invoice	Customer	Date	Total
2156	Kathleen Rubio	1/23/2017	2,248.32
1043	William Martinez	1/23/2017	1,574.24
269	Andrea Howard	1/23/2017	3,690.65
651	Ruth Vance	1/23/2017	10,427.96
104	Ashley Johnson	1/23/2017	6,286.17
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30	Brianna Griffin	1/23/2017	3,612.27
1096	Jonathan Nelson	1/23/2017	14,833.75
897	Jimmy Blanco	1/23/2017	5,063.02
2155	Reginald Gomez	1/23/2017	66.49
2214	Audrey Gomez	1/23/2017	3,518.18
1114	Alex Ramirez	1/23/2017	20,605.90
2121	Kathryn Chapman	1/23/2017	1,527.57

5:22

Orders

Invoice	Customer	Date	Total
2156	Kathleen Rubio	1/23/2017	2,248.32
1043	William Martinez	1/23/2017	1,574.24
269	Andrea Howard	1/23/2017	3,690.65
651	Ruth Vance	1/23/2017	10,427.96
104	Ashley Johnson	1/23/2017	6,286.17
2391	Rebekah Arthur	1/23/2017	2,954.34
1524	Alexia Washington	1/23/2017	29,641.83
847	Keith Kumar	1/23/2017	6,045.69
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2214	Audrey Gomez	1/23/2017	3,518.18
1114	Alex Ramirez	1/23/2017	20,605.90
2121	Kathryn Chapman	1/23/2017	1,527.57

Orders

UnoContoso

← → ↻ 📄 🌟 Ⓜ Paused

← Details

General

First name Last name

Company name Primary phone

Primary email

Addresses

Primary address

Orders

Invoice	Placed	Filled	Subtotal
1737	1/23/2017 6:30 PM	1/23/2017 6:30 PM	4793.97
1735	1/23/2017 6:27 PM	1/23/2017 6:30 PM	13577.80
1733	1/23/2017 6:28 PM	1/23/2017 6:30 PM	1011.66

UnoContoso

← Details

General

First name Last name

Company name Primary phone

Primary email

Addresses

Primary address

Orders

Invoice	Placed	Filled	Subtotal
1737	1/23/2017 6:30:21 PM	1/23/2017 6:30:54 PM	4793.97
1735	1/23/2017 6:27:24 PM	1/23/2017 6:30:53 PM	13577.80
1733	1/23/2017 6:28:22 PM	1/23/2017 6:30:53 PM	1011.66

Carrier 10:30 PM

← Details

General

First name Last name

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Primary email

Addresses

Primary address

Orders

Invoice	Placed	Filled
1737	1/23/2017 6:30 PM	1/23/2017 6:30 PM
1735	1/23/2017 6:27 PM	1/23/2017 6:30 PM
1733	1/23/2017 6:28 PM	1/23/2017 6:30 PM
1739	1/23/2017 6:28 PM	1/23/2017 6:30 PM

11:38

← Details

General

First name Last name

Company name Primary phone

Primary email

Addresses

Primary address

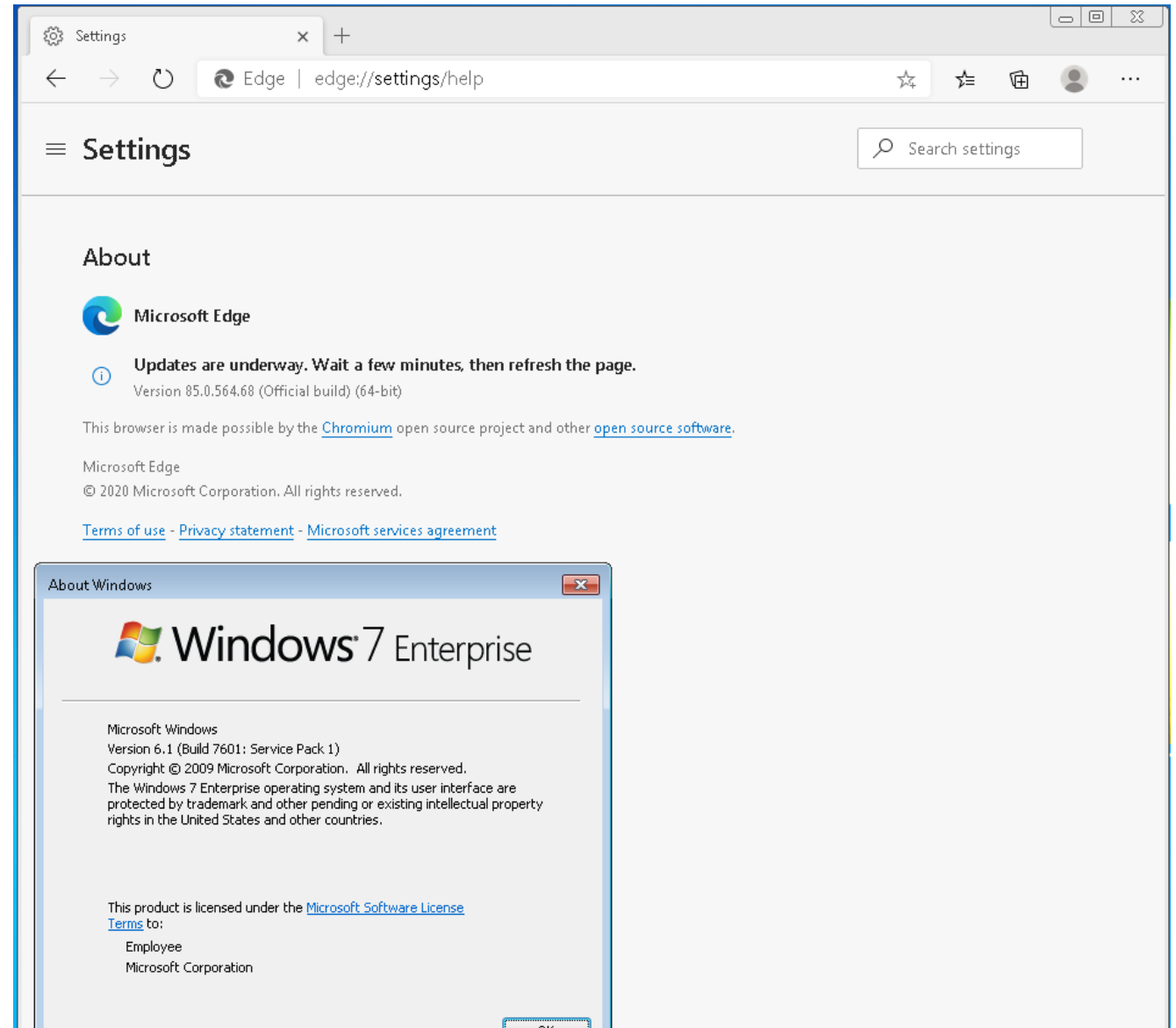
Orders

Invoice	Placed	Filled
1737	1/23/2017 6:30 PM	1/23/2017 6:30 PM
1735	1/23/2017 6:27 PM	1/23/2017 6:30 PM
1733	1/23/2017 6:28 PM	1/23/2017 6:30 PM

Customer Detail

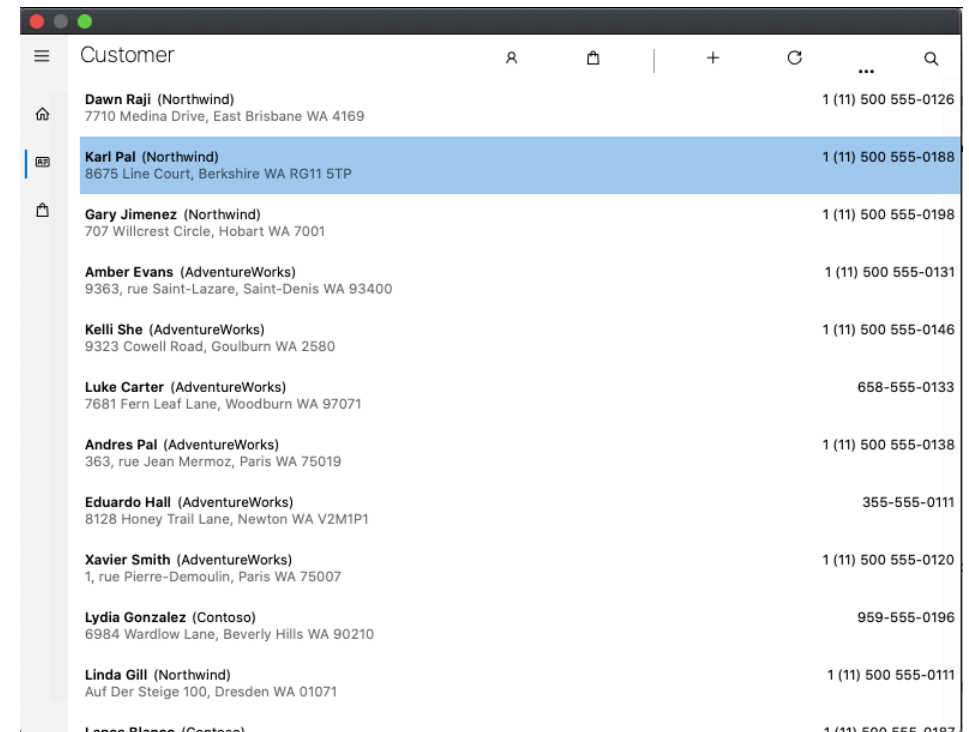
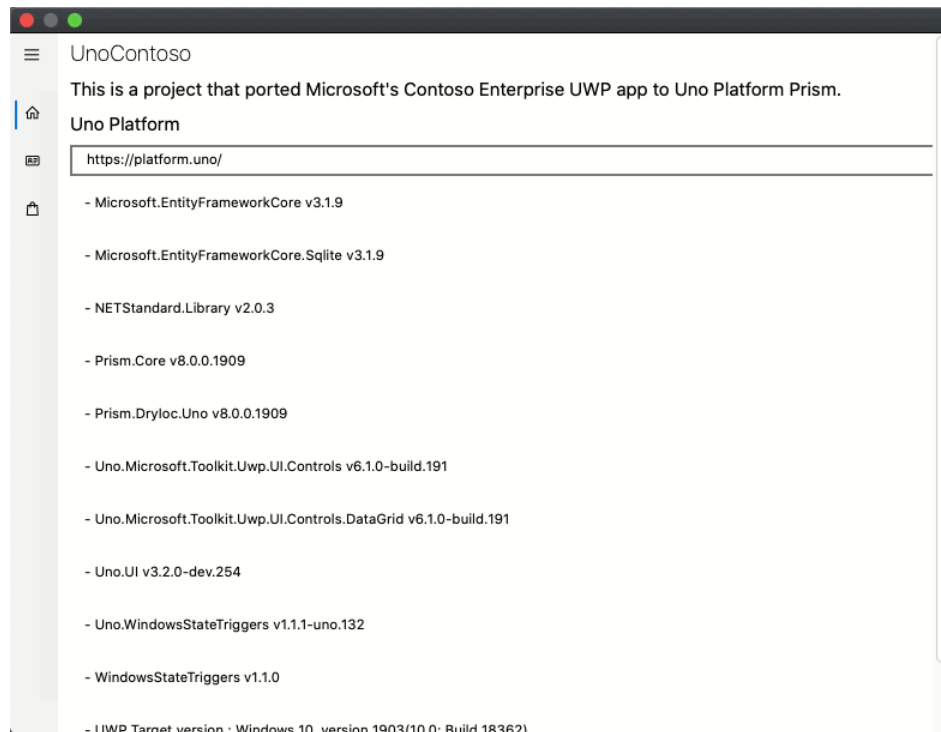
Using in Windows 7

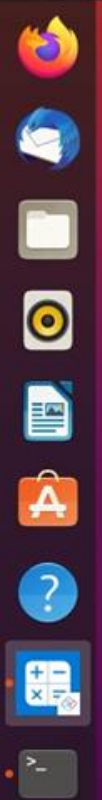
- Windows 7 Enterprise build 7601: Service Pack 1
- Install Microsoft New Edge download



Windows 7 Demo

macOS





jay
Trash

Uno Calculator

Scientific

History Memory

log(42)
1.6232492903979004632209830565722

There's no history yet

DEG	HYP	F-E		
MC	MR	M+	M-	MS
x^2	x^y	sin	cos	tan
$\sqrt{\quad}$	10^x	log	Exp	Mod
\uparrow	CE	C	\leftarrow	\div
π	7	8	9	\times
n!	4	5	6	-
\pm	1	2	3	+
()	0	.	=

Windows Calculator on Linux via Uno Platform



Difficulties in porting

- [Entity Framework 3.x](#)
 - [Breaking changes included in EF Core 3.x](#)
 - LINQ queries are no longer evaluated on the client
 - Guid values are now stored as TEXT on SQLite
 - Excluding the local execution method as an error occurred when initializing DbContext in Wasm, iOS, and macOS.
- Change to MVVM Pattern using [Prism 8.0](#)