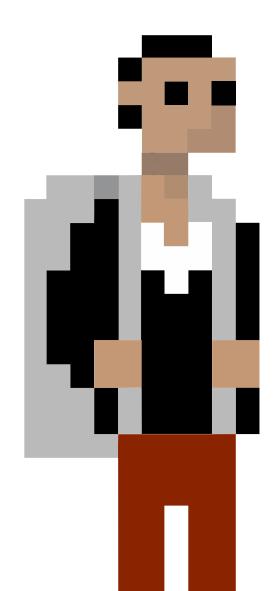


Who is Motz?



James Montemagno

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How do we store data?

Database

- Tables of data
- Columns of different types
- Good for:
 - Complex Data
- Use:
 - SQLite.net PCL

How do we store data?

Database

File System

- Persistent Files
- Flat file system
- Read/Write with IO
- Good for:
 - Config Files, Embedded Data, Static Complex Settings
- Use:
 - PCL Storage

How do we store data?

Database

File System

Preferences

- App Specific Settings
- Key-Value Pairs
- Good For:
 - App Config, user preferences/settings, small customizations
 - Simple data

iOS Preferences

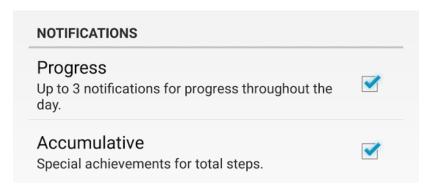
- NSUserDefaults
 - var defaults = NSUserDefaults.StandardUserDefaults;

- Get:
 - var user = defaults.StringForKey("username");
- Set:
 - defaults.SetString(value, "username");
 - defaults.Synchronize();

Android Preferences

- SharedPreferences
 - var prefs = PreferenceManager.GetDefaultSharedPreferences(Application.Context);
- Get:
 - var user = prefs.GetString("username", string.Empty);
- Set:
 - prefsEdit = prefs.Edit();
 - prefsEdit.PutString("username", value);
 - prefEdit.Commit();

Android Preferences (easy settings screens)



Windows Phone Preferences

- IsolatedStorageSettings
 - var prefs = IsolatedStorageSettings.ApplicationSettings;
- Get:
 - var user = prefs["username"];
 - **Should probably check .Contains("username")
- Set:
 - if (prefs.Contains("username"))
 - prefs["username"] = value;
 - else
 - prefs.Add("username", value);

Windows RT Preferences

- ApplicationDataContainer
 - var prefs = ApplicationData.Current.LocalSettings;
- Get:
 - var user = prefs.Values["username"];
 - **Should probably check .Contains("username")
- Set:
 - if (prefs.Values.ContainsKey("username"))
 - prefs.Values["username"] = value;
 - Else
 - prefs.CreateContainer(key, ApplicationDataCreateDisposition.Always);
 - prefs.Values["username"] = value;

A Better, More Cross-Platform Way!

Settings Plugin for Xamarin and Windows!



https://www.nuget.org/packages/Xam.Plugins.Settings/

The API: ISettings

- Supports:
 - Bool, Int32, Int64, String, Single (float), Guid, Double, Decimal, DateTime

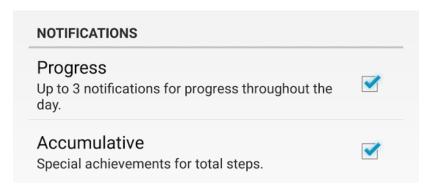
- Get:
 - var name = AppSettings.GetValueOrDefault<string>("username", string.Empty);

- Set:
 - AppSettings.AddOrUpdateValue<string>("username", value);

Under the hood:

- Uses the Native Preferences!!!
- NSUserDefault
- SharedPreferences
- IsolatedStorageSettings
- ApplicationData
- NO json or xml files!

Totally Support Android Preference Screens!



Let's Preferences!?!

Resources

- Settings Plugin for Xamarin
 - https://www.nuget.org/packages/Xam.Plugins.Settings/
- Xamarin University XAM-160
 - SQLite and Mobile Data
- Motz Codes Live:
 - https://www.youtube.com/user/jamesmontemagno
 - https://github.com/jamesmontemagno/MotzCodesLive

Thank you. Questions?



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