

# Xamarin

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# Navigation

# Navigation Controls

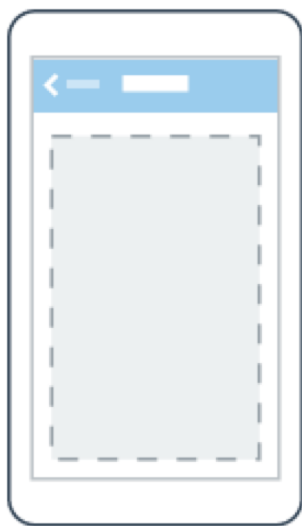
Typy stránok pre navigáciu



ContentPage



MasterDetailPage



NavigationPage



TabbedPage

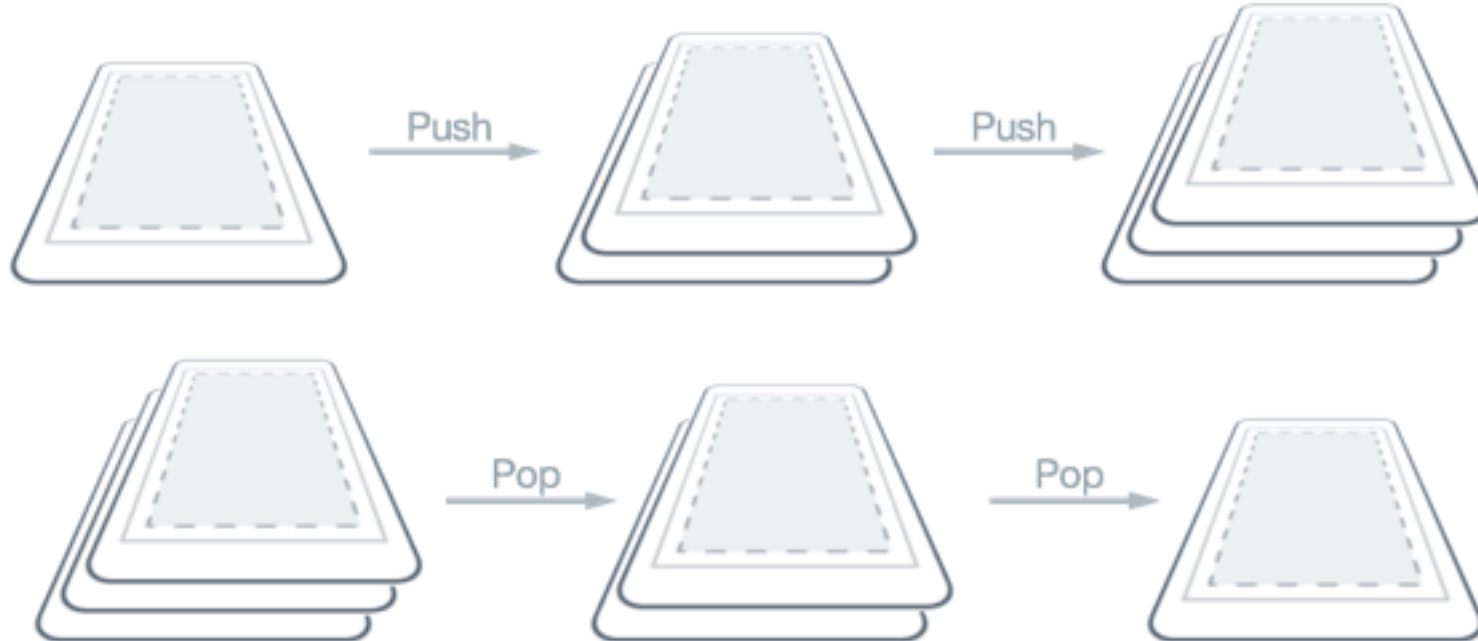


CarouselPage

# Hierarchy Navigation

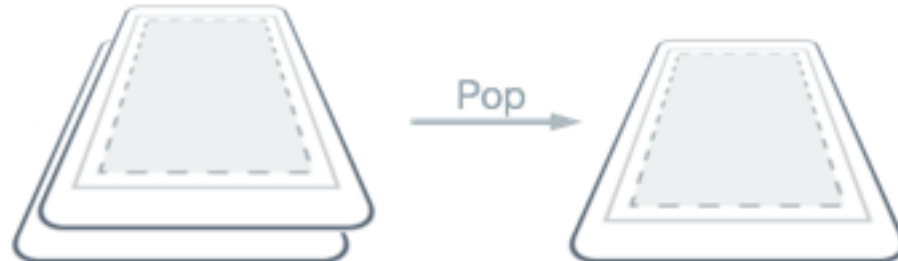
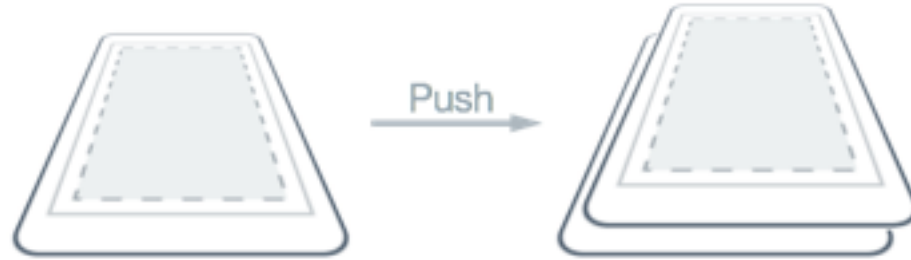
```
MainPage = new NavigationPage(new CategoriesView());|
```

```
private async void NavigateToCategoriesView()  
{  
    await Navigation.PushAsync(new CategoriesView());  
}
```



# Modal Navigation

```
await Navigation.PushModalAsync(new ContentPage()  
{  
    Content = new SettingsView()  
});
```



# ViewModel Navigation

```
public class ViewModelBase : INotifyPropertyChanged
{
    2 references
    public INavigation Navigation => Application.Current.MainPage?.Navigation;

    private async void NavigateToCategoryTodos(TodoCategory category)
    {
        await Navigation.PushAsync(new TodosView()
        {
            Title = category.Name,
            ViewModel = new TodosViewModel()
            {
                Category = category
            }
        });
    }
}
```

Lifecycle

# App Lifecycle

**OnStart()**

Štart aplikácie

**OnSleep()**

Uspanie (minimalizovanie, prechod do inej aplikácie)

**OnResume()**

Obnovenie zo spánku



# Page Lifecycle

```
protected override void OnAppearing()  
{  
    base.OnAppearing();  
}
```

0 references

```
protected override void OnDisappearing()  
{  
    base.OnDisappearing();  
}
```

0 references

```
protected override bool OnBackButtonPressed()  
{  
    return base.OnBackButtonPressed();  
}
```

# Prism

Open-Source MVVM Framework

<http://prismlibrary.github.io/docs/xamarin-forms/Getting-Started.html>

# Dependency Service

# Dependency Service

```
public interface IPlatformService  
{  
    1 reference  
    string GetName();  
}
```

---

Platform-Specific Implementation

Definícia Interface pre **každú**  
platformu zvlášť

```
[assembly: Xamarin.Forms.Dependency(typeof(PlatformService))]  
  
namespace TodoList.Droid.Services  
{  
    1 reference  
    public class PlatformService : IPlatformService  
    {  
        0 references  
        public string GetName()  
        {  
            return "Android";  
        }  
    }  
}
```

```
DependencyService.Get<IPlatformService>().GetName();
```