

# Xamarin

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SQLite

# SQLite

Balíček **sqlite-net-pcl** vo všetkých projektoch

Potreba riešiť odlišné cesty k databázam pre každú platformu

(DependencyService)

# ORM

```
namespace TodoList.Models
{
    [Table("Todos")]
    18 references
    public class TodoItem
    {
        [PrimaryKey, AutoIncrement]
        0 references
        public int Id { get; set; }
        2 references
        public int CategoryId { get; set; }
        1 reference
        public string Text { get; set; }
        0 references
        public bool IsDone { get; set; }
    }
}
```

# Operácie

Table<T>

Insert

Update

Delete

Query<T>

Execute

ExecuteScalar

```
public class TodoListDatabase
{
    private readonly SQLiteAsyncConnection _db;

    1 reference
    public TodoListDatabase(string name, ISQLiteConnectionFactory connectionFactory)
    {
        _db = new SQLiteAsyncConnection(connectionFactory.Create(name));
    }
}

1 reference
public async Task InitDatabase()
{
    await _db.CreateTableAsync<TodoCategory>();
    await _db.CreateTableAsync<TodoItem>();
}

1 reference
public async Task<IList<TodoCategory>> TryGetAllCategoriesAsync()
{
    try
    {
        return await _db.Table<TodoCategory>().ToListAsync();
    }
    . . .
}
```