

Detecting Model Changes



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Module Outline



How Entity Framework tracks changes

Plan the lifetime of the DbContext

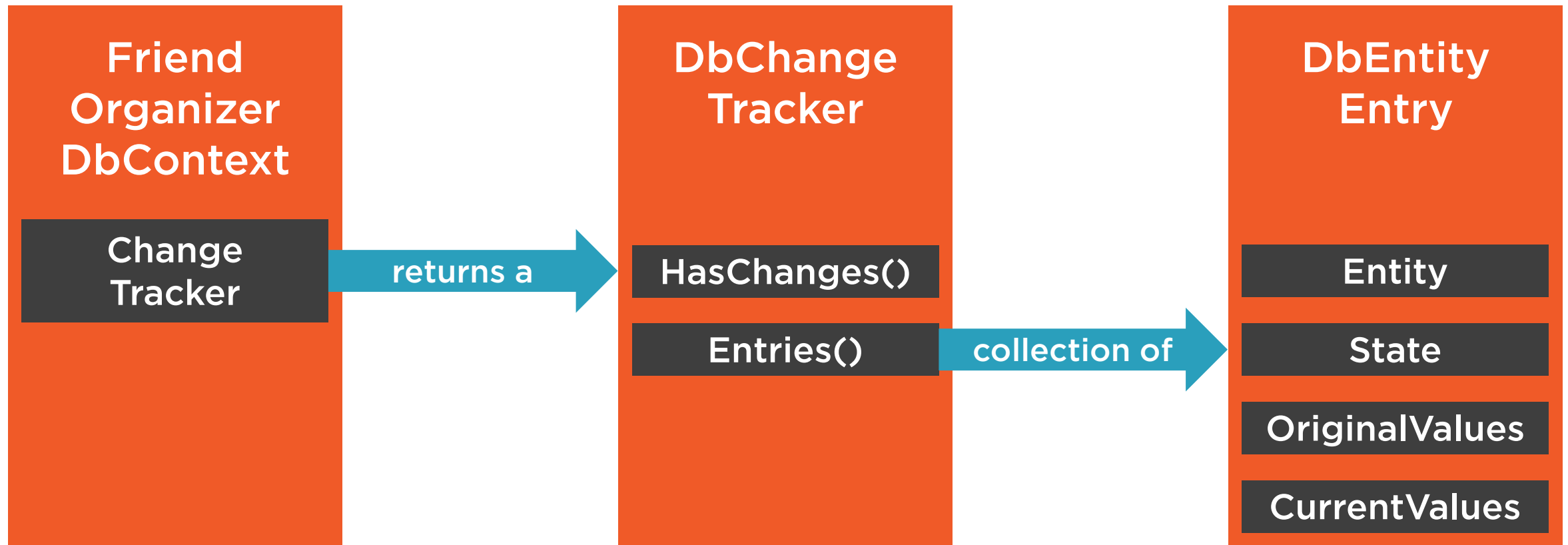
Create and use a FriendRepository

Enable and disable the save button

Block navigation from a changed friend



How Entity Framework Tracks Changes

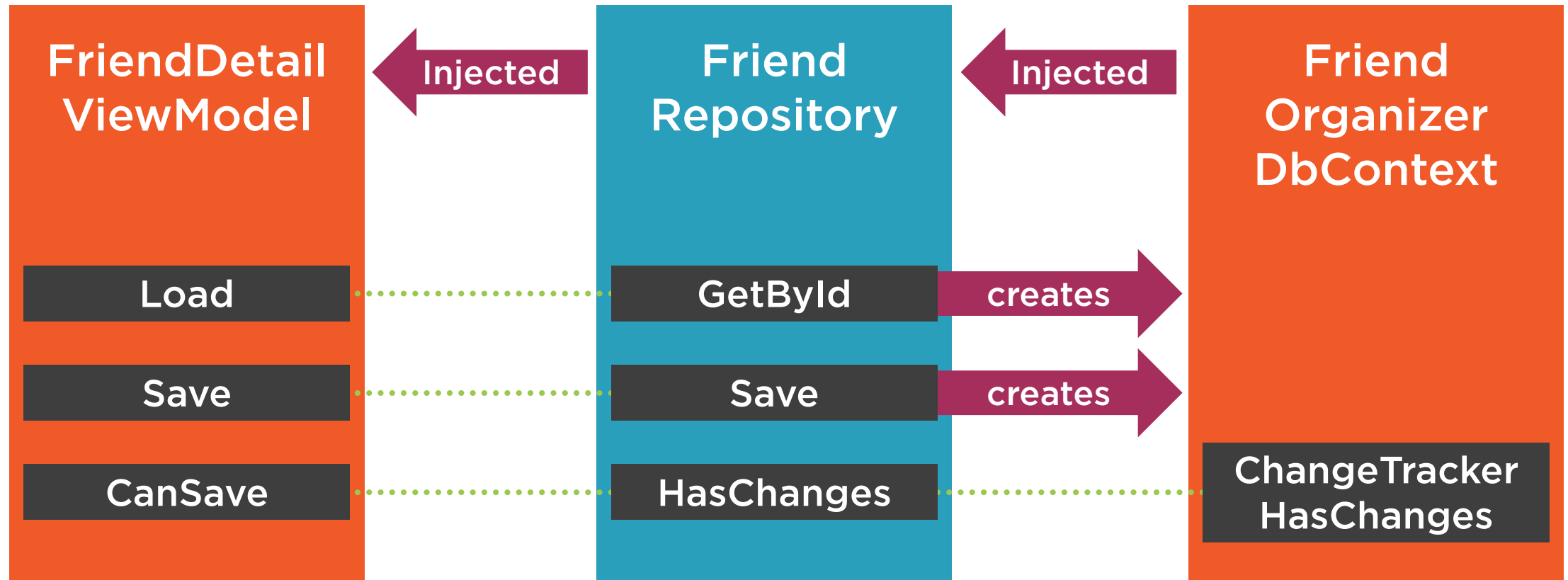


How Entity Framework Tracks Changes

```
public async Task SaveAsync(Friend friend)
{
    using (var ctx = _contextCreator())
    {
        ctx.Friends.Attach(friend);
        ctx.Entry(friend).State = EntityState.Modified;
        await ctx.SaveChangesAsync();
    }
}
```



Plan the DbContext Lifetime



Demo



Create the FriendRepository

Use a single FriendRepository
per detail view



Demo



Add an `HasChanges` method
to the repository

Enable and disable the save button



Demo



Block navigation from a changed friend

Create a MessageDialogService



Demo



Remove selection in the navigation

Style the navigation



Summary



How Entity Framework tracks changes

Use a DbContext instance per detail view

- DbContext is encapsulated in FriendRepository

Enable and disable the save button

Block navigation from a changed friend

