

Desenvolvimento de Sistemas II

Agenda

Melhores práticas de programação

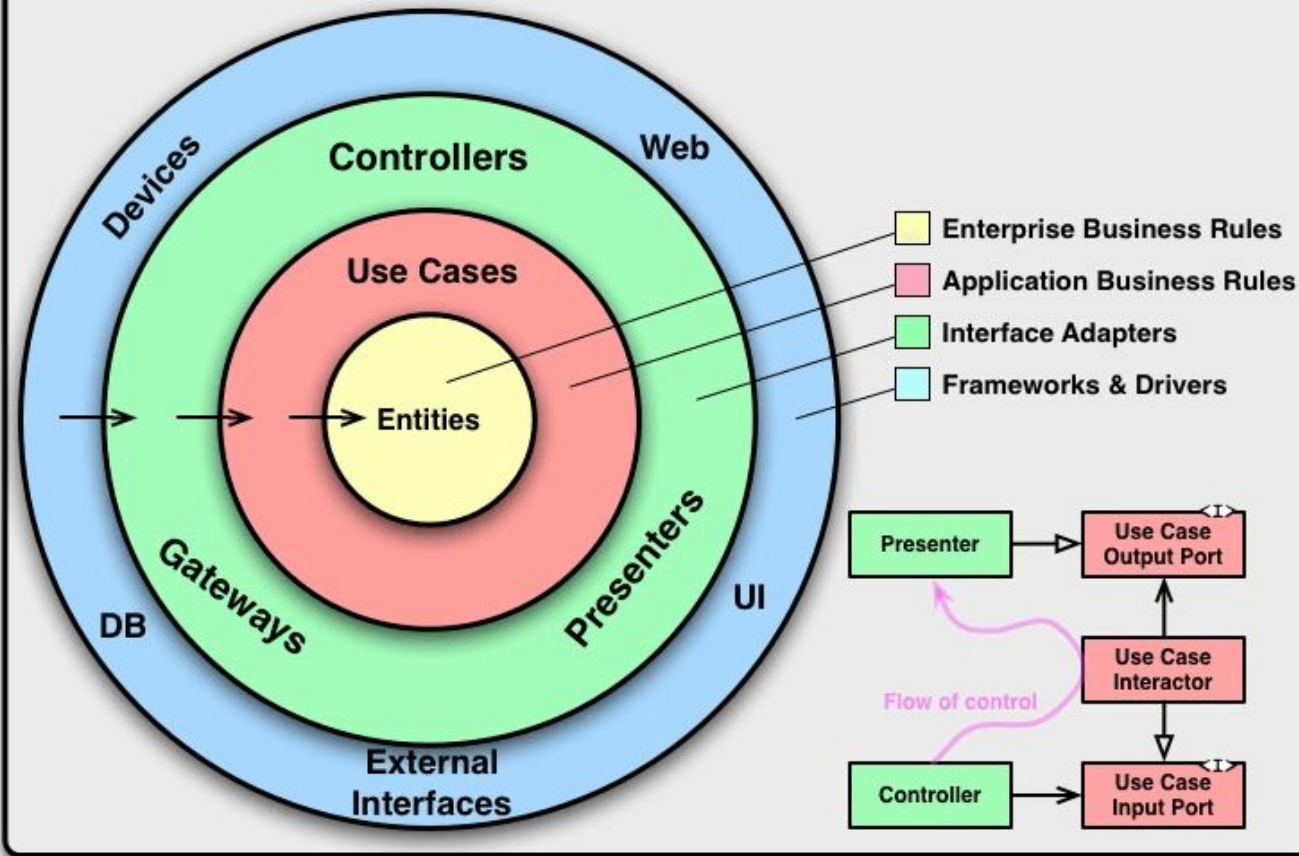
Style Guides de linguagens

Indentação

Legibilidade

Correção- CleanCode

The Clean Architecture



**Frameworks
&
Drivers**



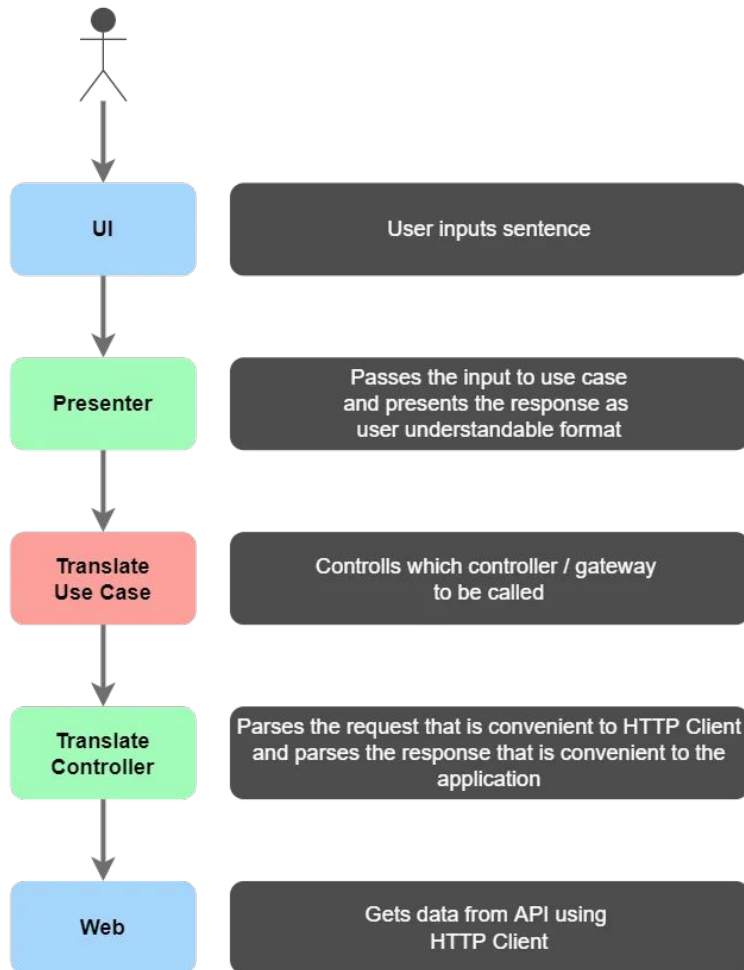
**Interface
Adapters**

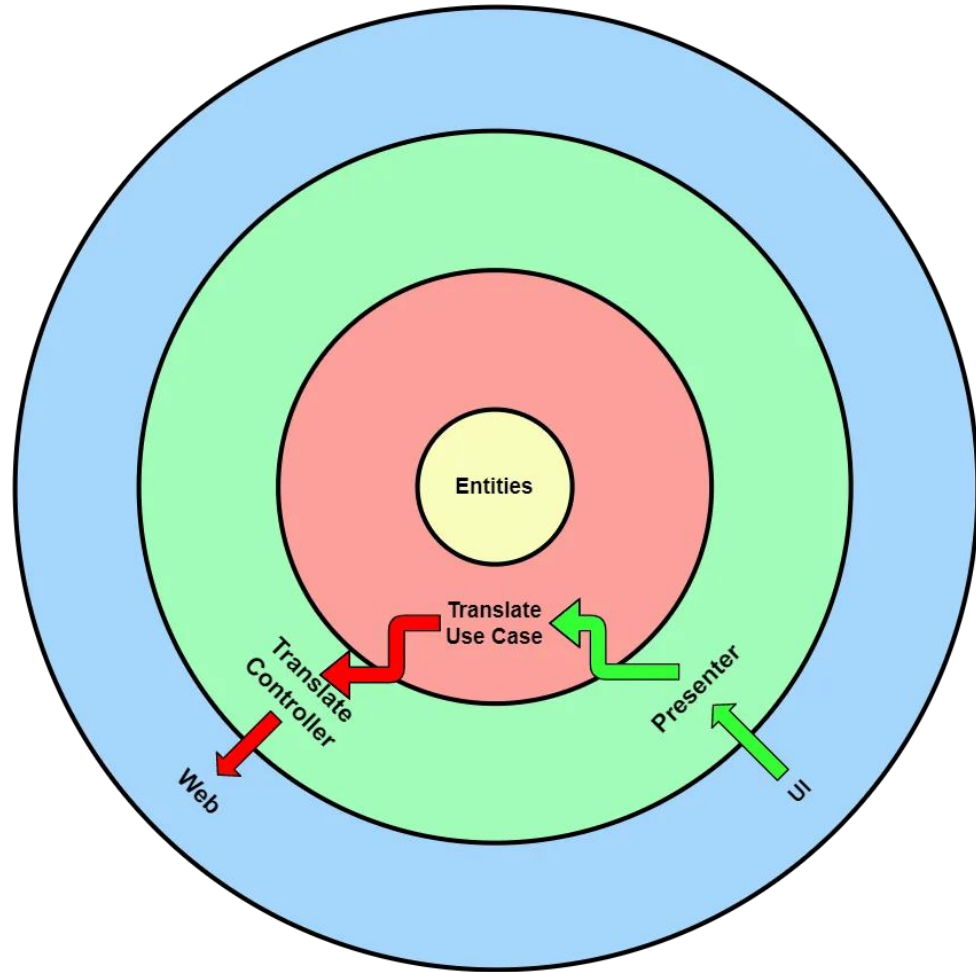


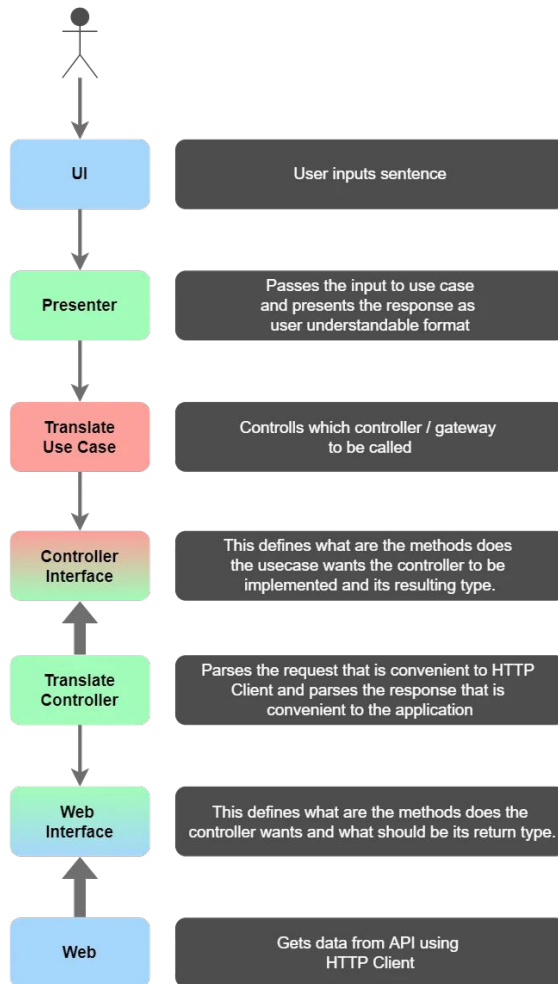
**Application
Business Rules**

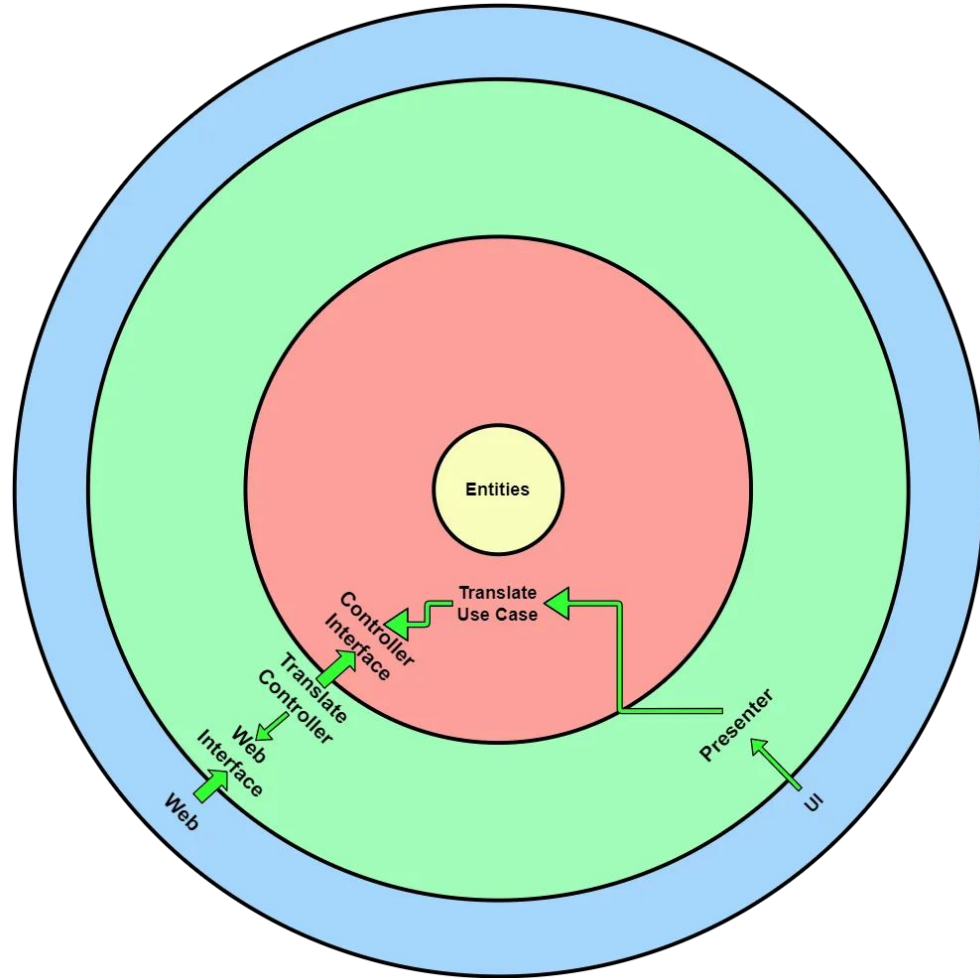


**Enterprise
Business Rules**





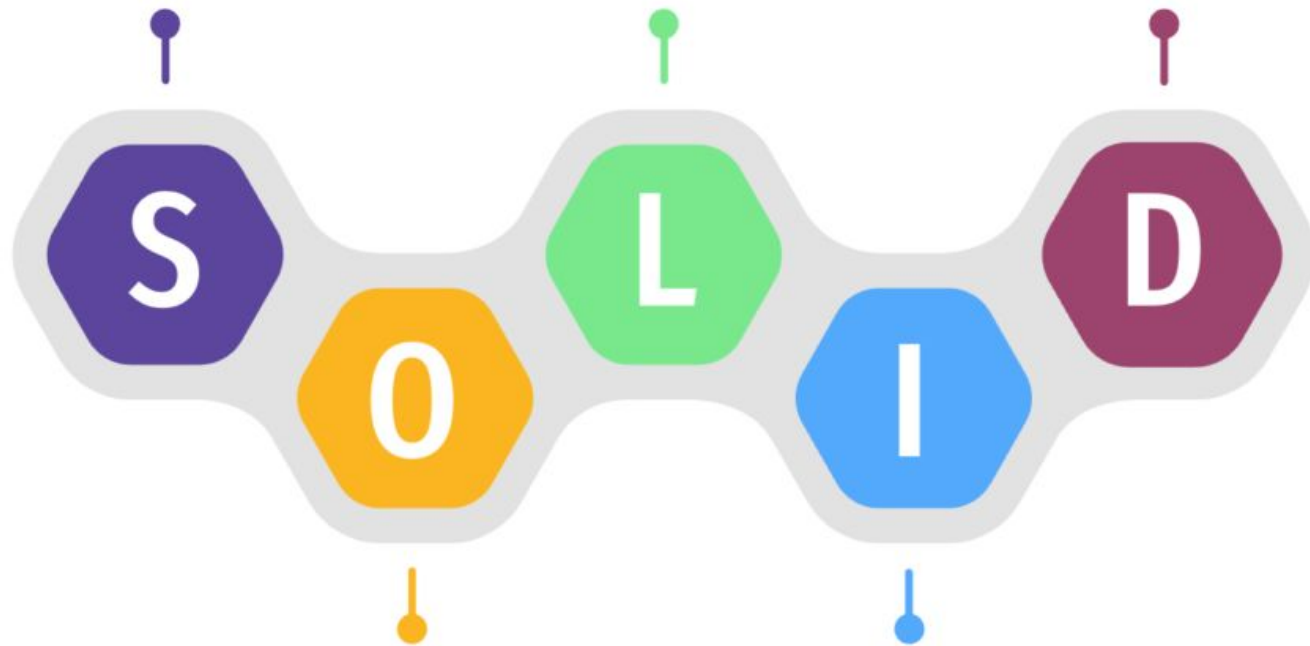




Single
Responsibility

Liskov
Substitution

Dependency
Inversion



Open / Closed

Interface
Segregation

Mão na massa - Exercício

```
public class RestService
{
    private HttpClient client;
    private Post post;
    private ObservableCollection<Post> posts;
    private JsonSerializerOptions serializerOptions;
    public RestService()
    {
        client = new HttpClient();
        serializerOptions= new JsonSerializerOptions{
            PropertyNamingPolicy = JsonNamingPolicy.CamelCase,
            WriteIndented = true
        };
    }

    public async Task<ObservableCollection<Post>> getPostAsync()
    {
        Uri uri = new Uri("https://jsonplaceholder.typicode.com/posts");
        try
        {
            HttpResponseMessage response = await client.GetAsync(uri);
            if (response.IsSuccessStatusCode)
            {
                string content = await response.Content.ReadAsStringAsync();
                posts = JsonSerializer.Deserialize<ObservableCollection<Post>>(content, serializerOptions);
            }
        }
        catch (Exception ex)
        {
            Debug.WriteLine(@"\tERROR {0}", ex.Message);
        }

        return posts;
    }
}
```

<https://github.com/helpdeveloper>

<https://medium.com/luizalabs/criando-uma-aplica%C3%A7%C3%A3o-modular-muito-al%C3%A9m-do-clean-architecture-5dde3687c5d6>

<https://code-maze.com/onion-architecture-in-aspnetcore/>

<https://balta.io/blog/clean-code>

<https://betterprogramming.pub/the-clean-architecture-beginners-guide-e4b7058c1165>