

## Creating a custom database health check

Let's add a custom health check that can verify the state of the microservice connection to the database.

In [Play.Identity](#) repo

1. Add a HealthChecks directory
2. Add MongoDBHealthCheck.cs:

```
namespace Play.Identity.Service.HealthChecks
{
    public class MongoDBHealthCheck : IHealthCheck
    {
        private readonly MongoClient client;

        public MongoDBHealthCheck(MongoClient client)
        {
            this.client = client;
        }

        public async Task<HealthCheckResult> CheckHealthAsync(HealthCheckContext context,
            CancellationToken cancellationToken = default)
        {
            try
            {
                await client.ListDatabaseNamesAsync(cancellationToken);
                return HealthCheckResult.Healthy();
            }
            catch (Exception ex)
            {
                return HealthCheckResult.Unhealthy(exception: ex);
            }
        }
    }
}
```

3. Commit and push.

In the next lesson you will enable this custom database health check as a readiness check in the Identity microservice.