IQueryable<T>

IQueryable<T>, in contrast to IEnumerable<T> saves a lot of resources.

For example, if you're working against a remote database, with many ORM systems, you have the option of fetching data from a table in two ways, one which returns IEnumerable<T>, and one which returns an IQueryable<T>.

Say, for example, you have a Doctors table, and you want to get all of the Doctors whose age is >50 years.

Query #1:

IEnumerable<Doctor> doctorsFifty = myORM.GetDoctors();

var DocsFifty = doctorsFifty.Where(p => p.Age >= 50);

What happens here, is the database loads all of the products, and passes them across the wire to your program. Your program then filters the data. In essence, the database does a SELECT \* FROM Products, and returns EVERY product to you.