

DiscreteDomain

```
classDiagram
    class DiscreteDomain
    class GQCP_U MullikenDomainComponent {
        +_Scalar
        +partitionMatrix()
        +projectionMatrix()
    }
    GQCP_U MullikenDomainComponent --|> DiscreteDomain
```

The diagram illustrates a class hierarchy. At the top is the 'DiscreteDomain' class, represented by a rectangle with three horizontal compartments. The top compartment contains the class name. Below it are two empty compartments. At the bottom is the 'GQCP::UMullikenDomainComponent' class, represented by a shaded rectangle with three horizontal compartments. The top compartment contains the class name and a template parameter '<_Scalar>'. The middle compartment is empty. The bottom compartment contains two public methods: '+ partitionMatrix()' and '+ projectionMatrix()'. A blue arrow with an open triangular head points from the top of the 'GQCP::UMullikenDomainComponent' class to the bottom of the 'DiscreteDomain' class, indicating that 'DiscreteDomain' inherits from 'GQCP::UMullikenDomainComponent'.

GQCP::UMullikenDomainComponent
<_Scalar>

+ partitionMatrix()
+ projectionMatrix()