**PROJECT**

**Chat Application**

**GROUP: 1**

**Nguyễn Lê Tài Đức**

**Lê Bá Thịnh**

**Tô Cao Kim Ngân**

**Trần Minh Nhựt**

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1. **Architecture Diagram**

- Independent deployment and scaling: Each feature can be deployed and scaled separately.

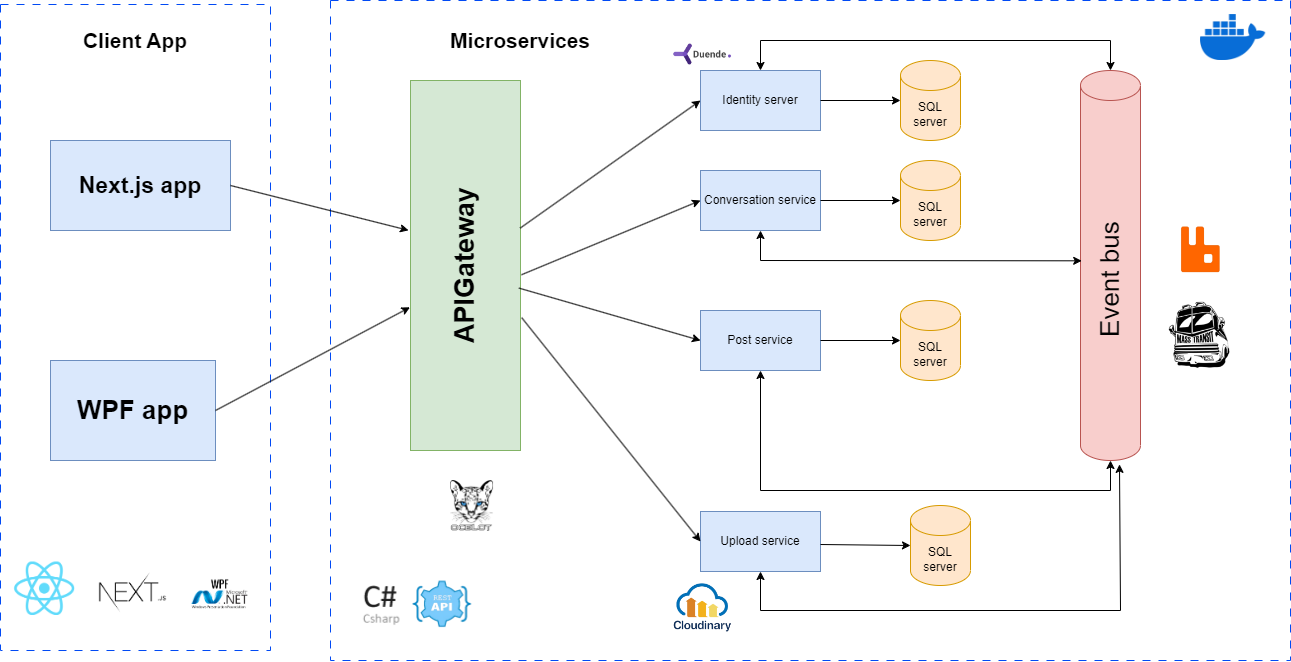
- Enhanced fault isolation: Failures in one service don't impact others.

- Technology diversity: Various languages for each component.

- Streamlined development and maintenance: Teams can work on individual services independently.

- Faster innovation: Enables quicker updates and new feature implementations.

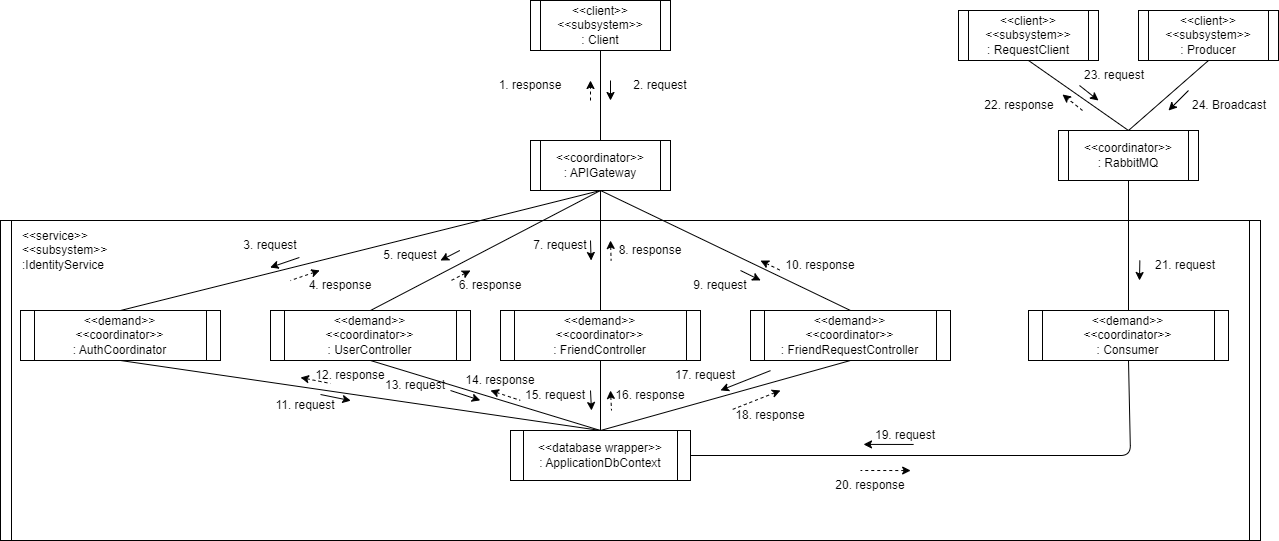
- Higher availability and reliability: Ensures a more resilient and stable application.



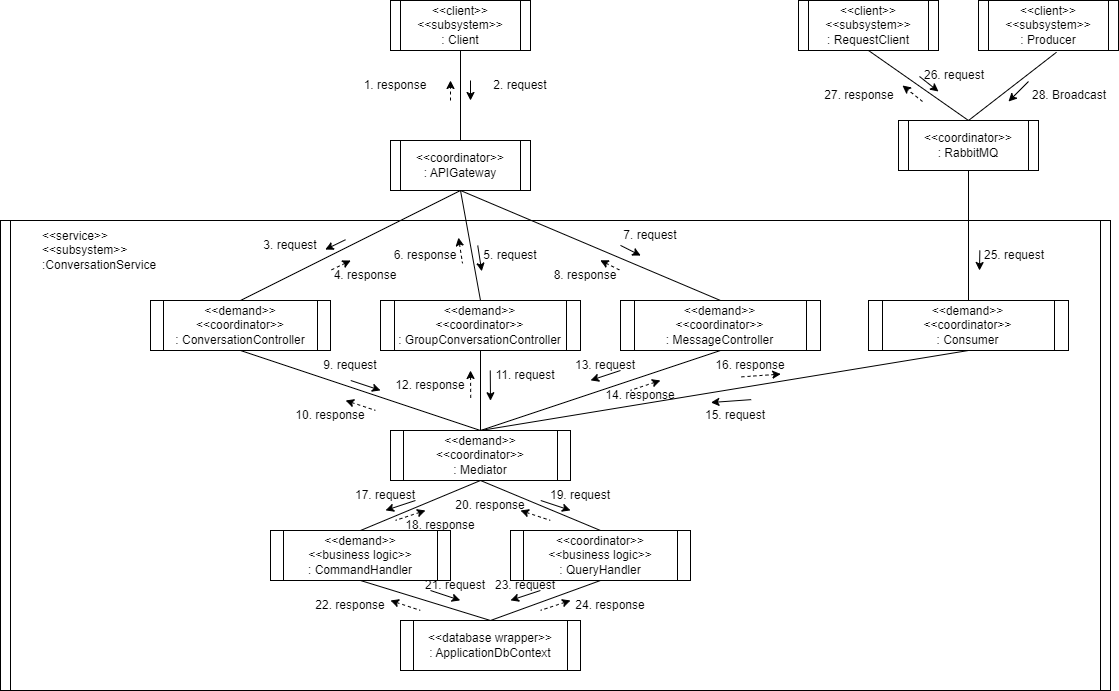
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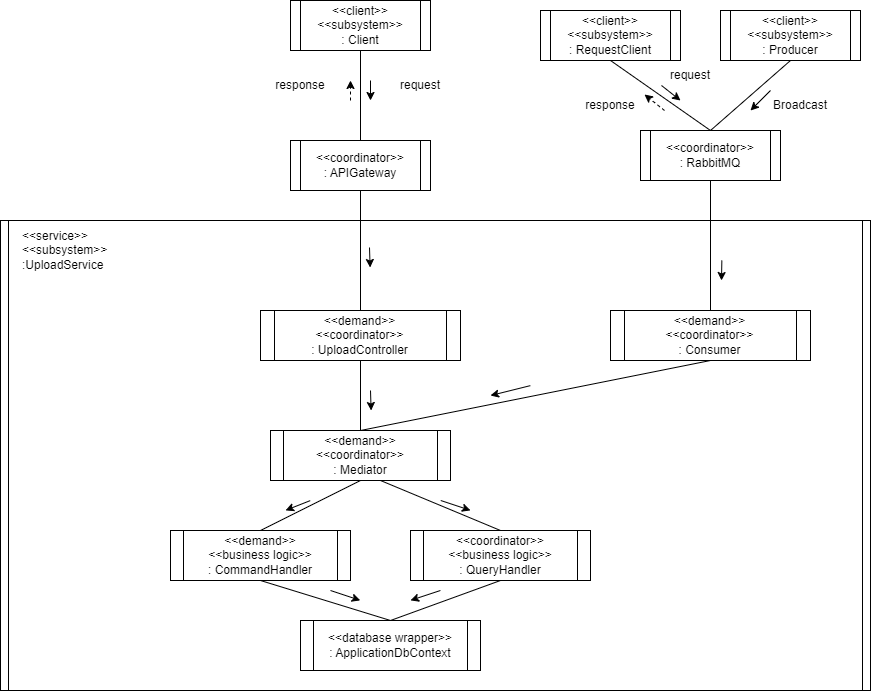
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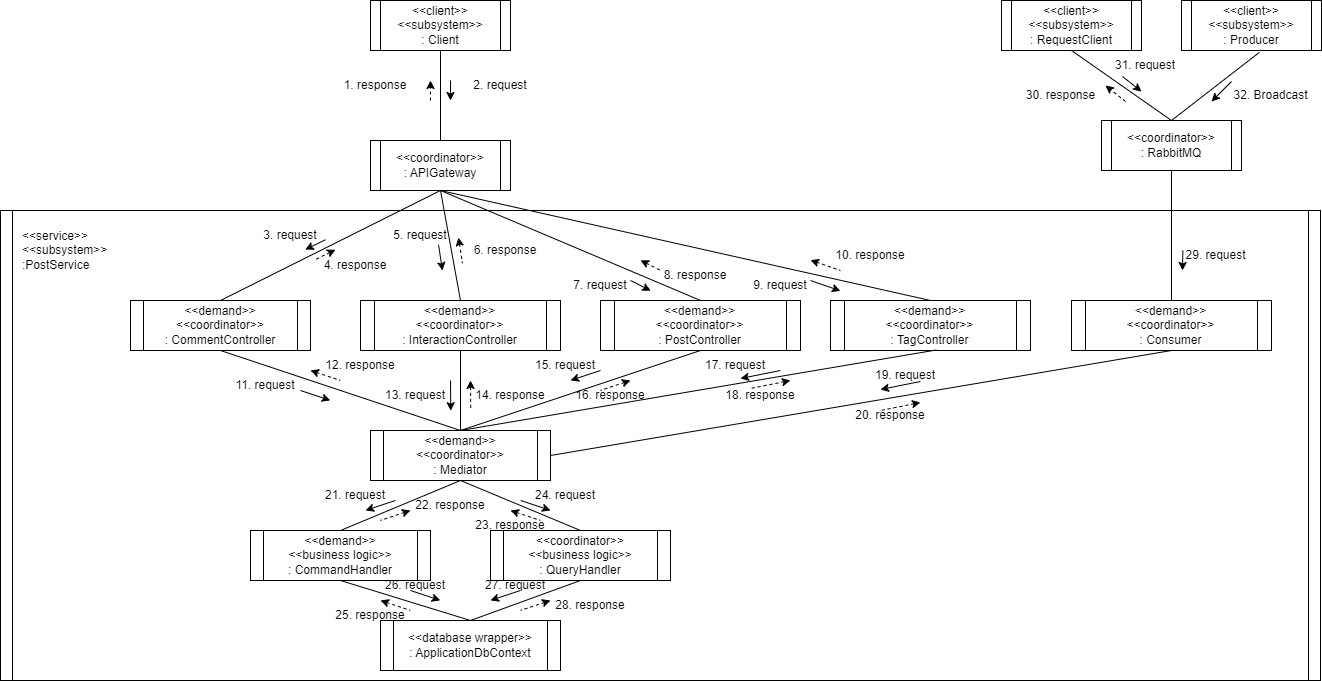
* 1. **Conversation**



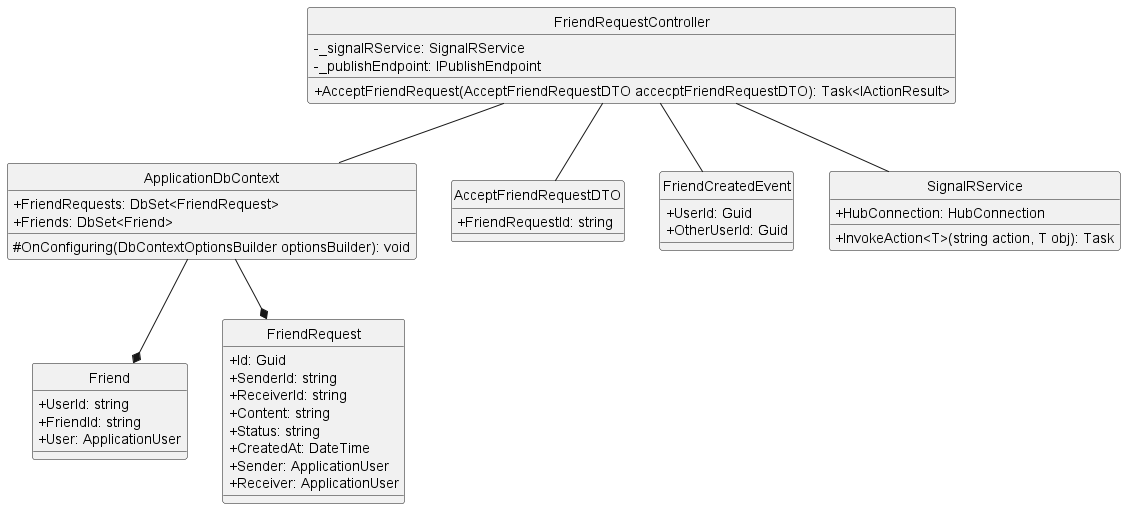
* 1. **Upload**



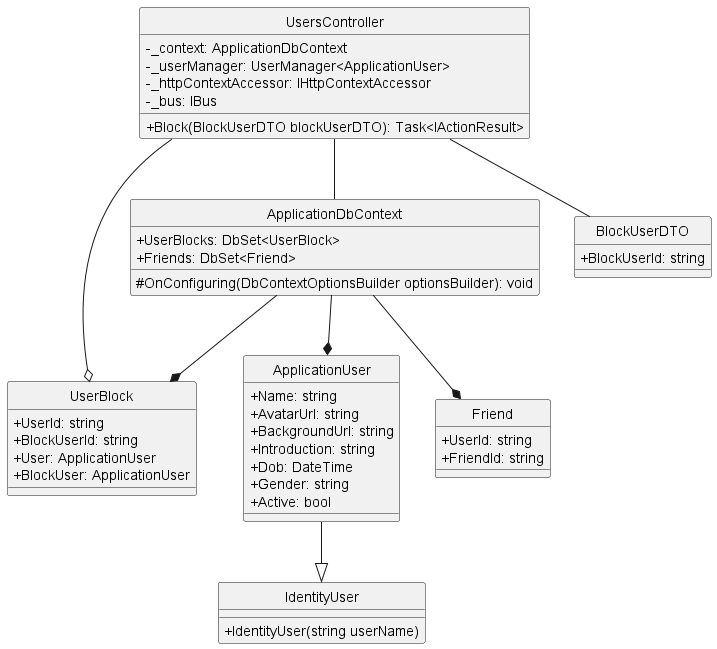
* 1. **Post**



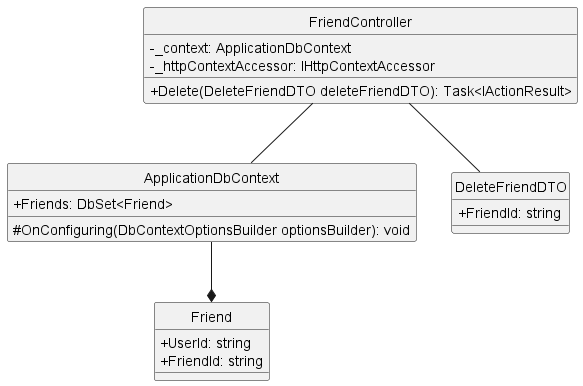
1. **Class Diagram**
   1. **Identity**
      1. **Accept Friend Request**



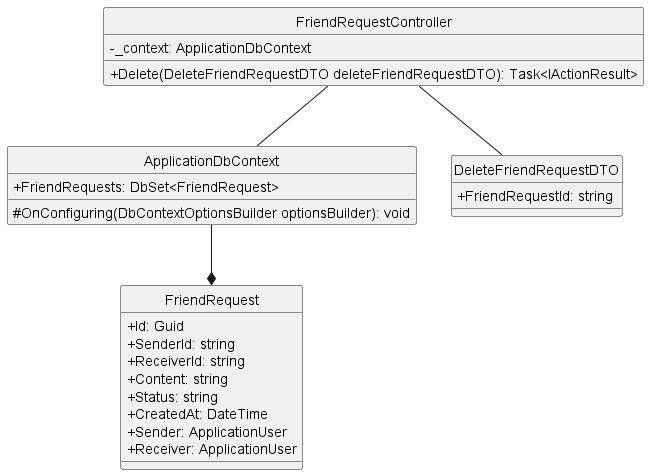
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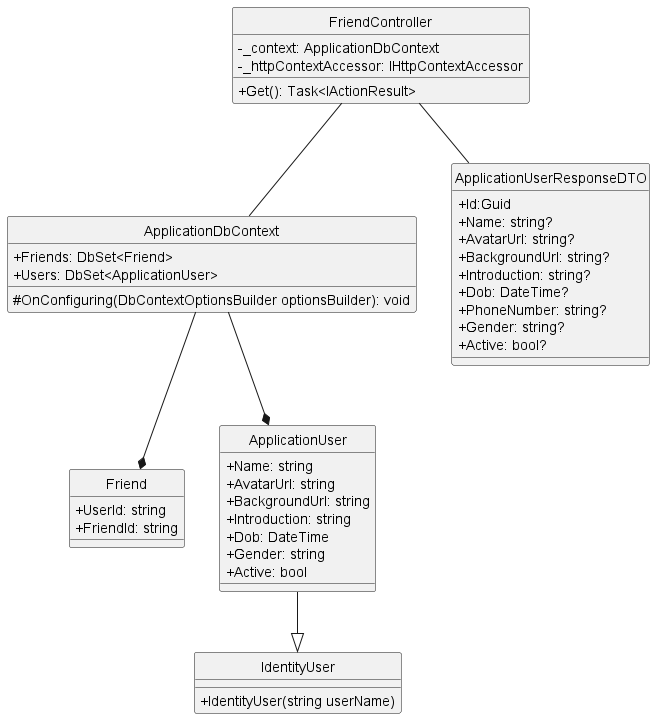
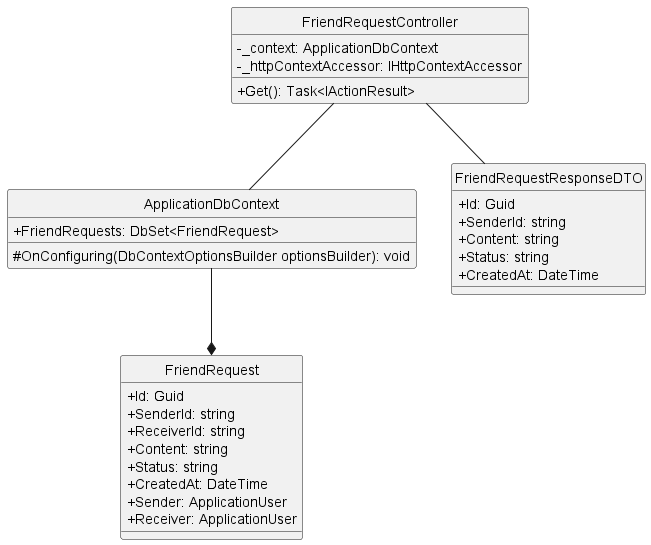
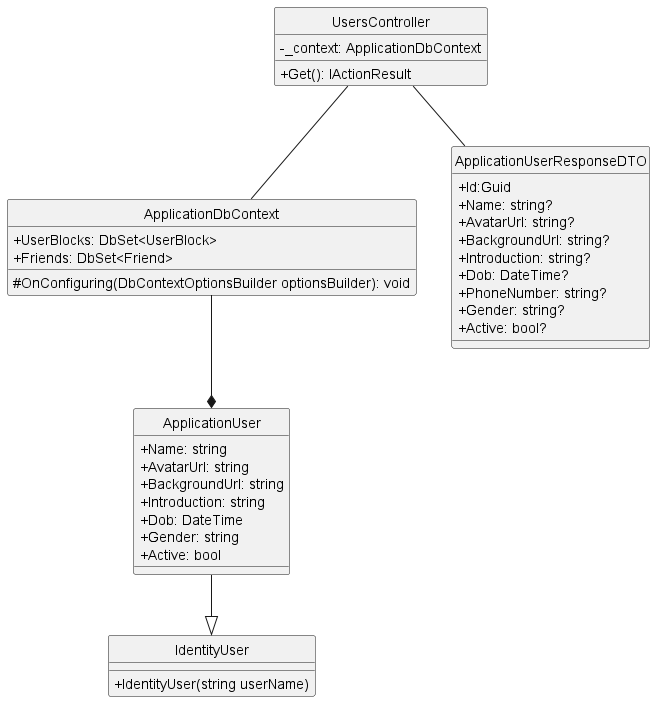


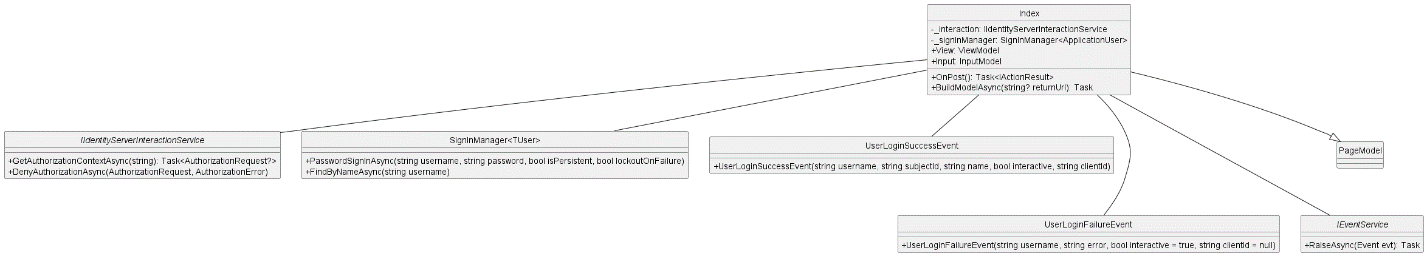
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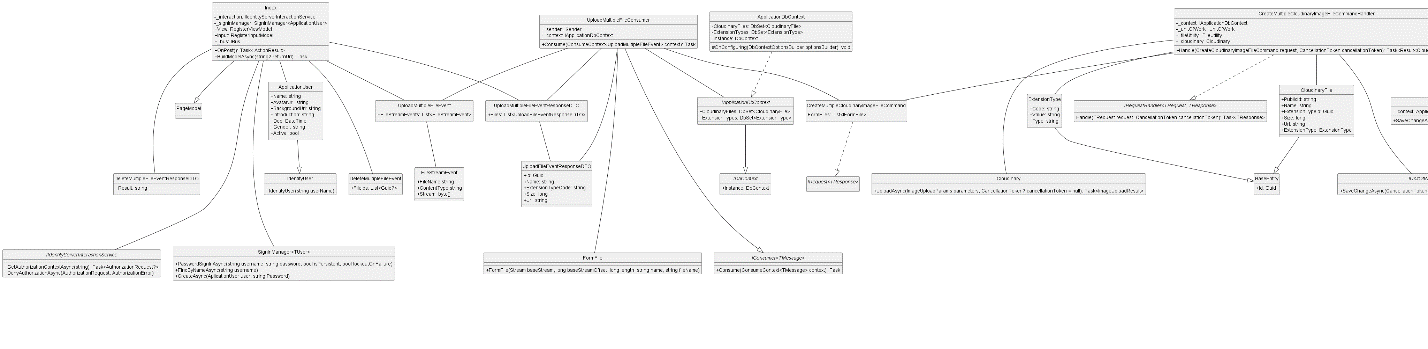
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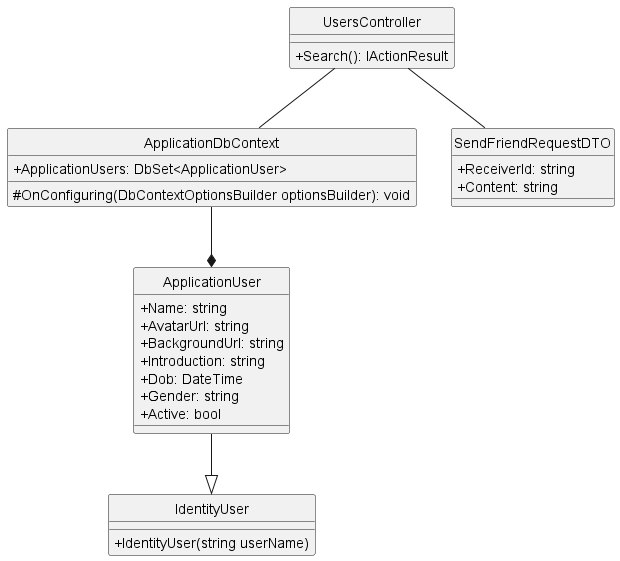
* + 1. **Get Friend List By User Id**
    2. **Get Friend Request List** 
    3. **Get User By Id**
    4. **Login**



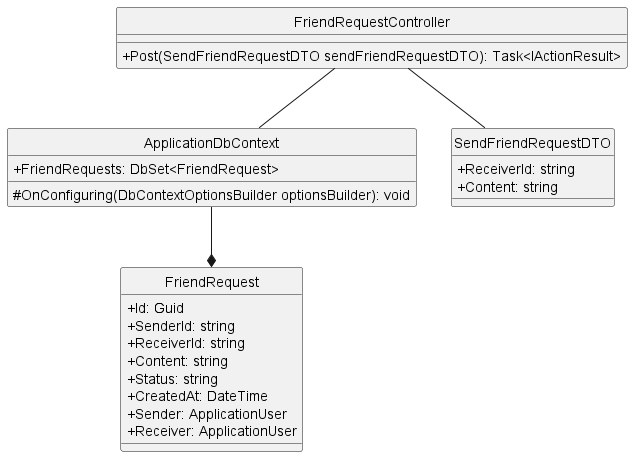
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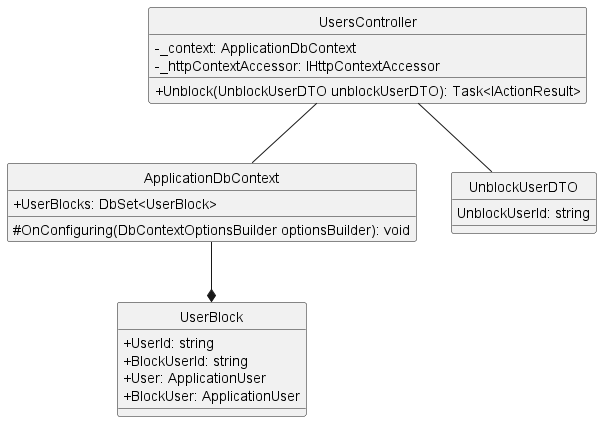
* + 1. **Search User**



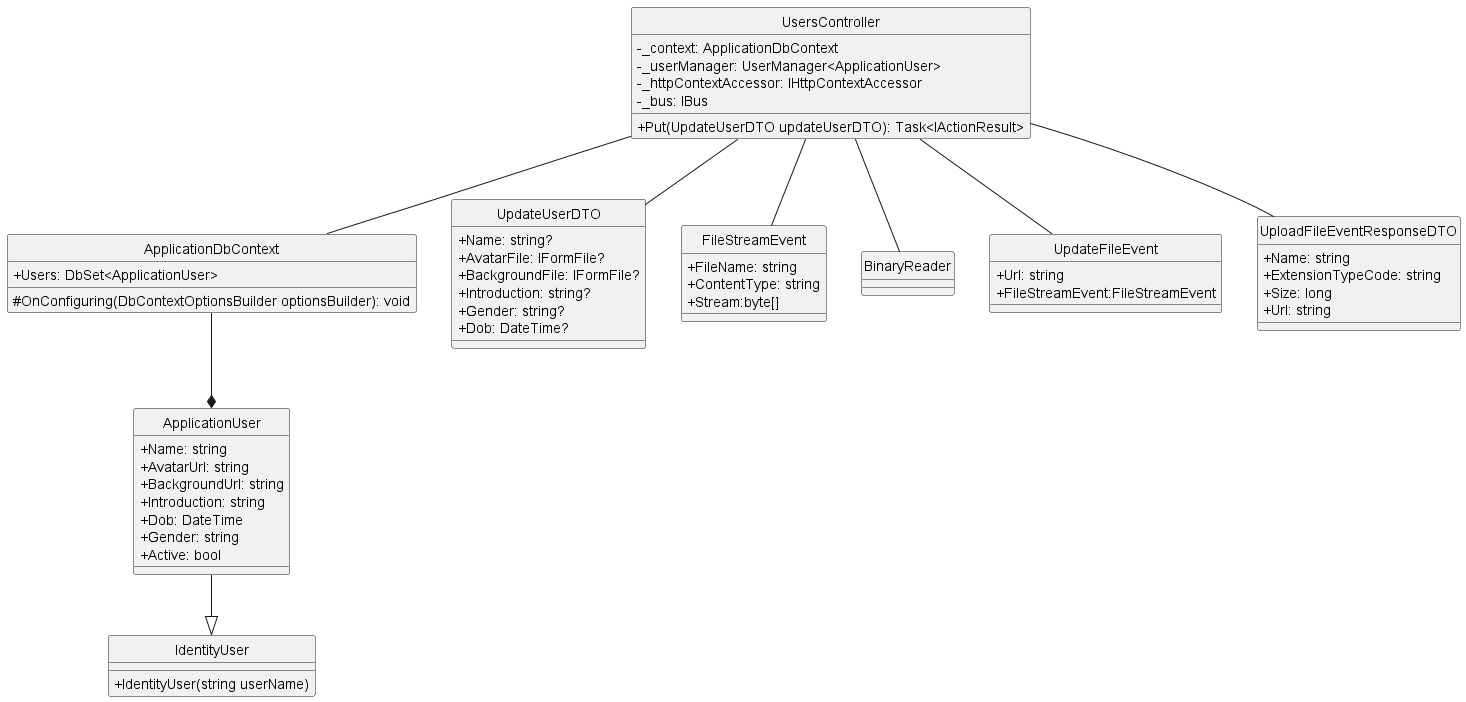
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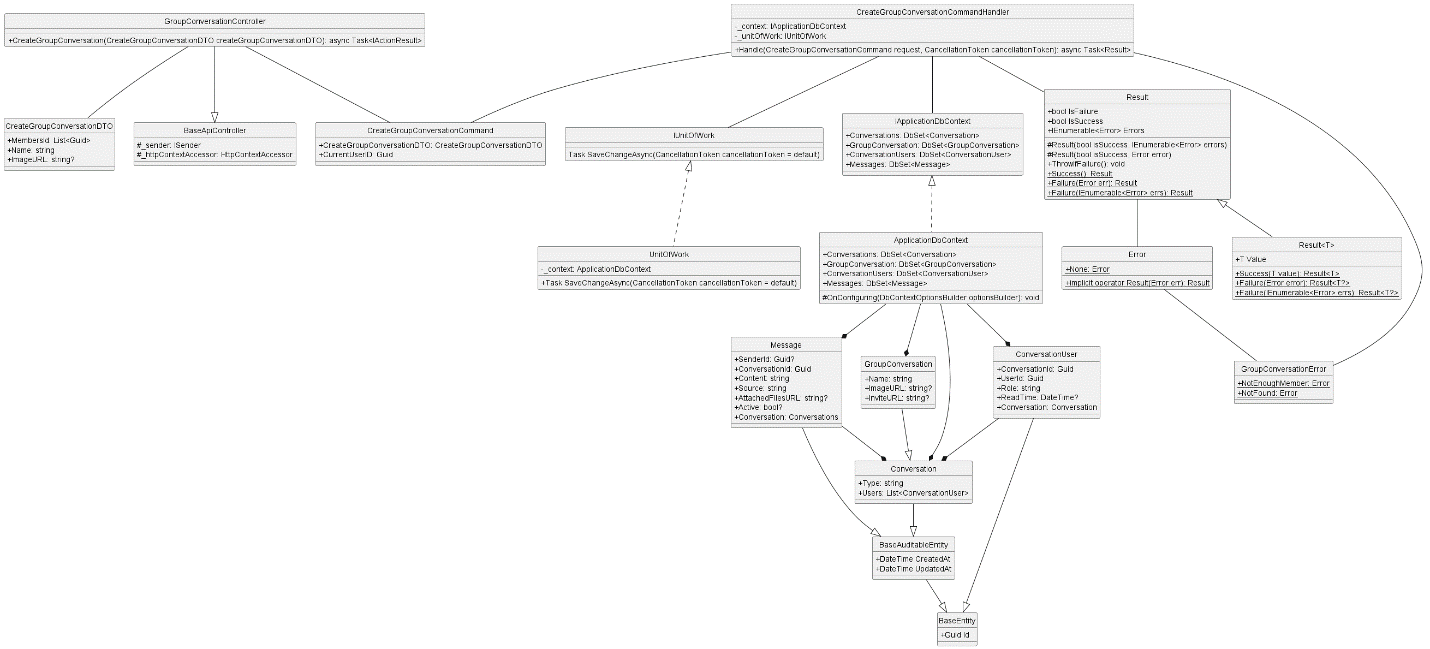
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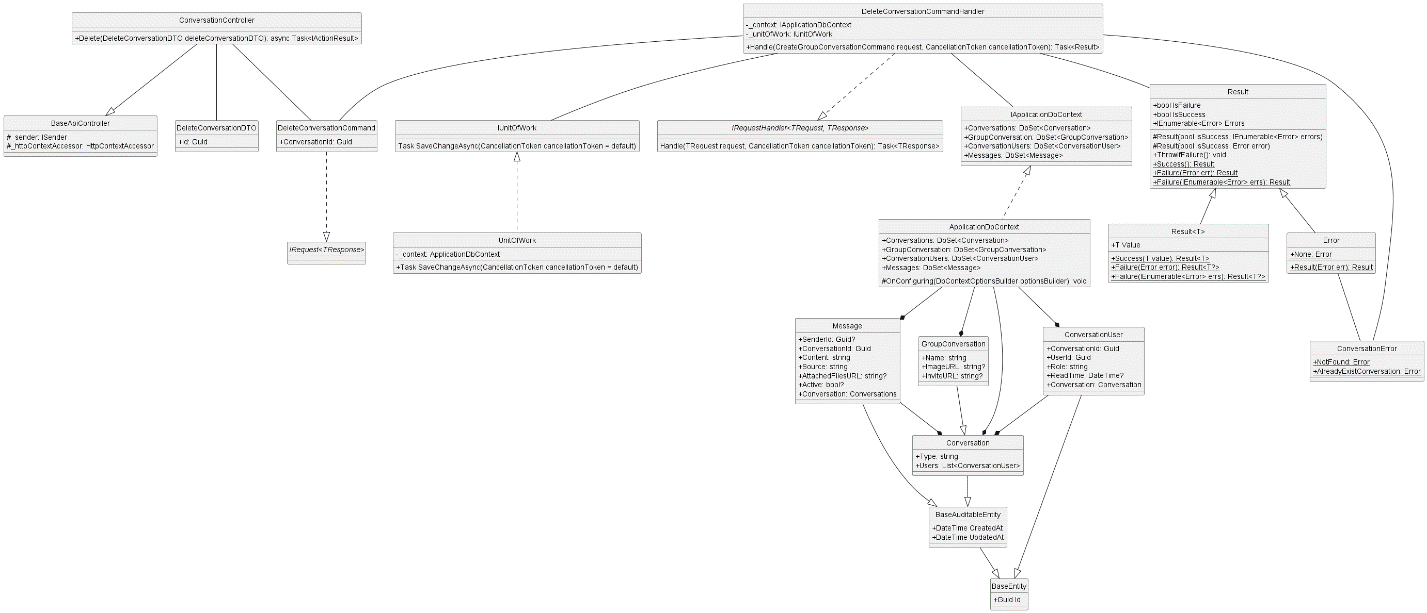
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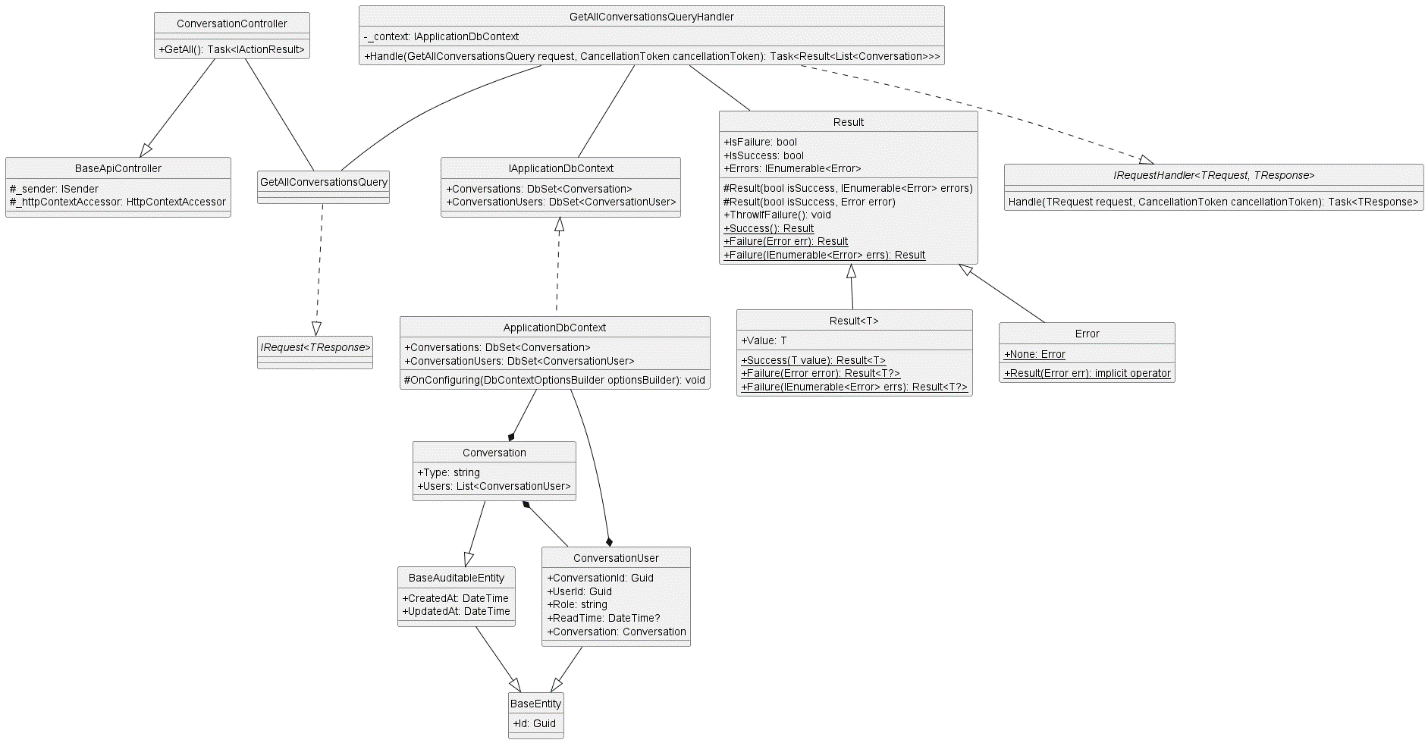
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     1. **Create Group Conversation**

****

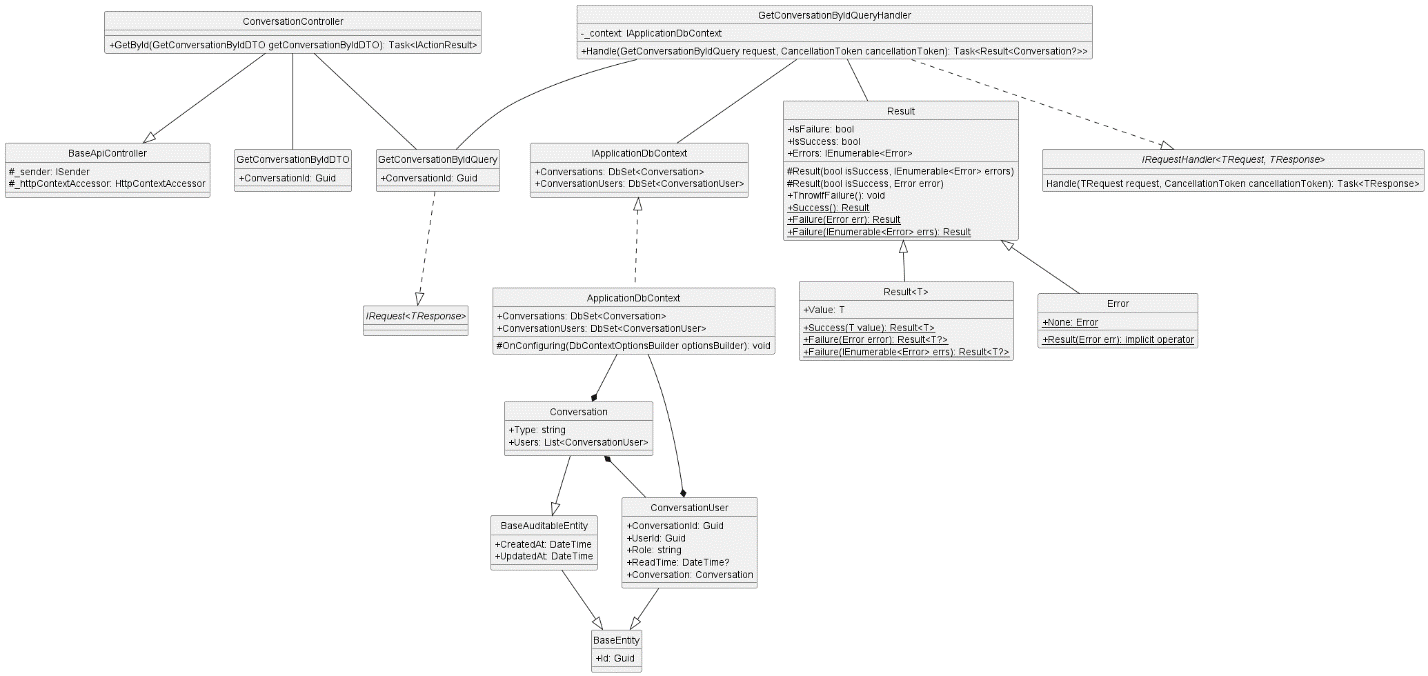
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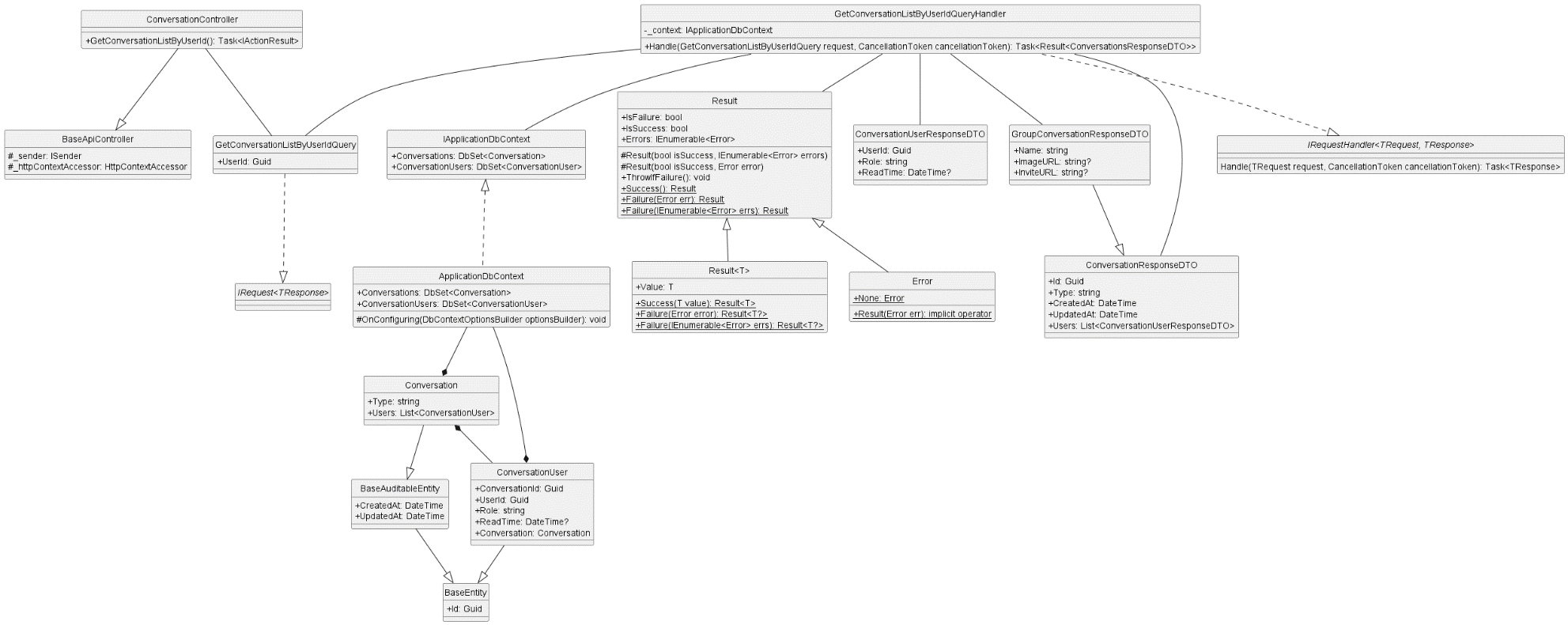
* + 1. **Get All**

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* + 1. **Get By Id**

****

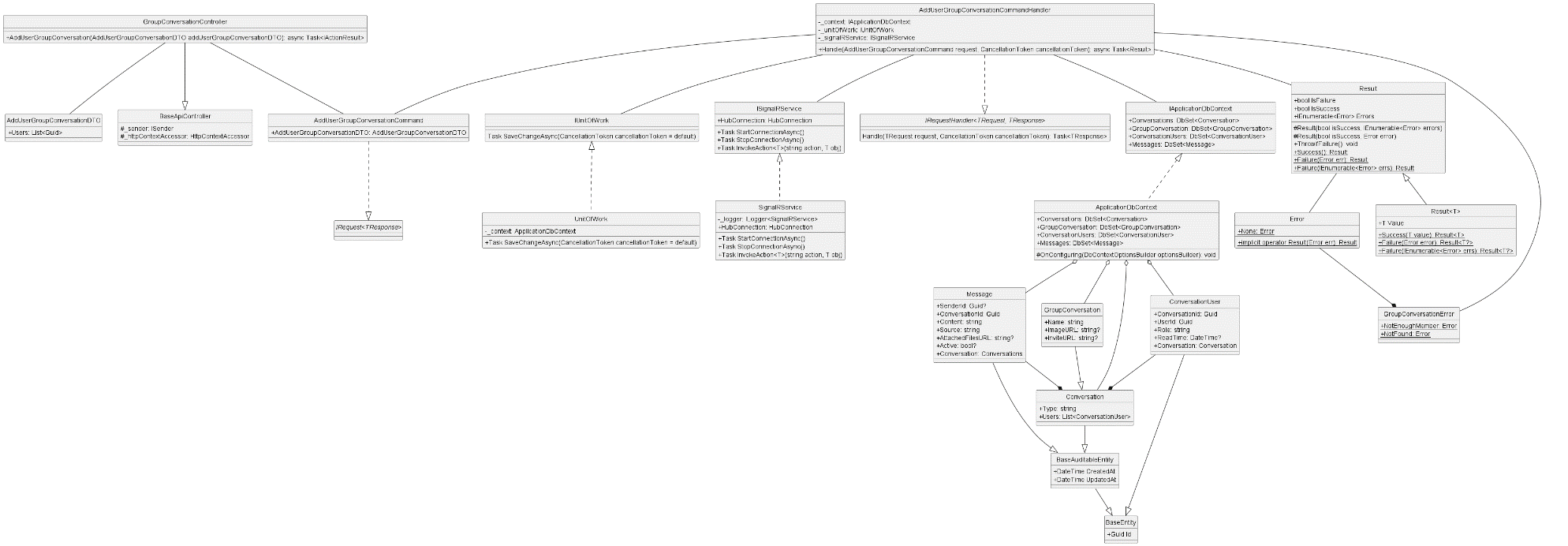
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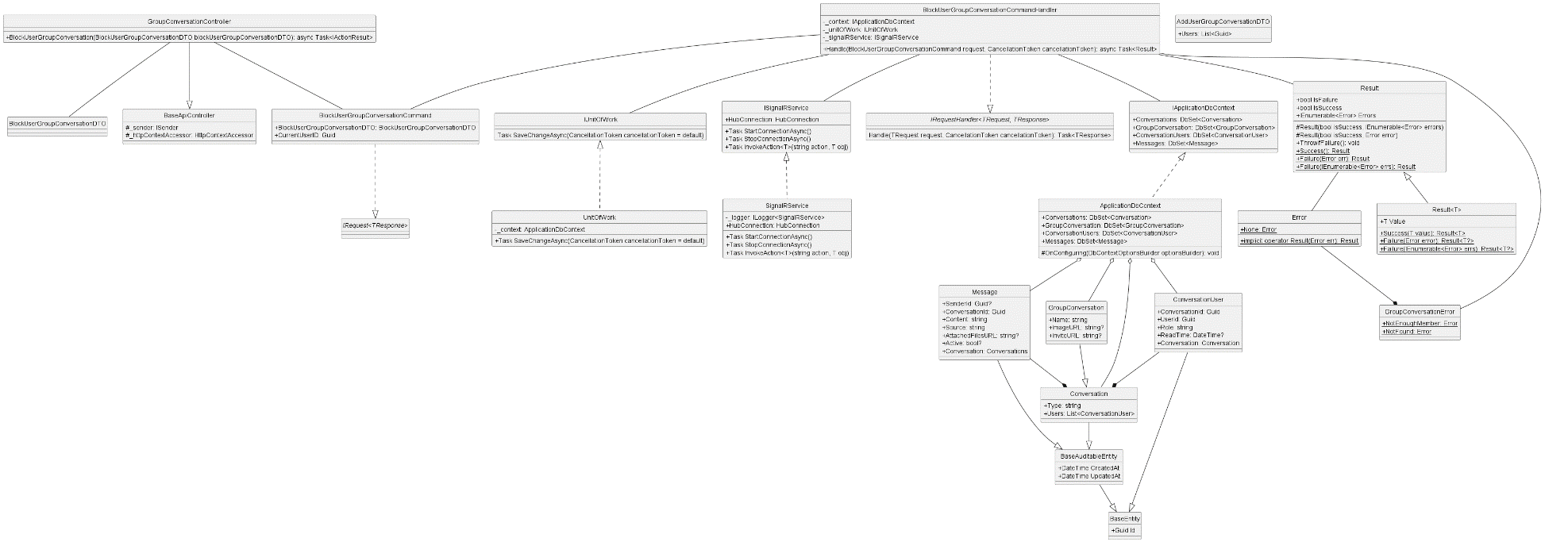
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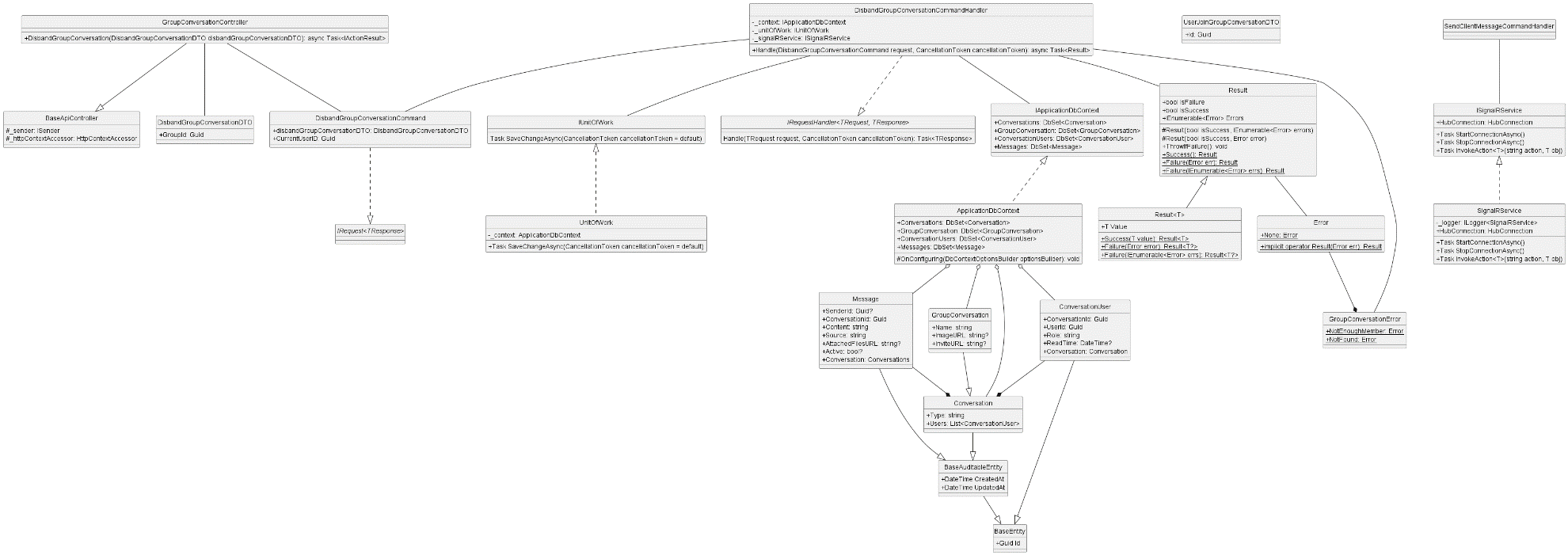
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****

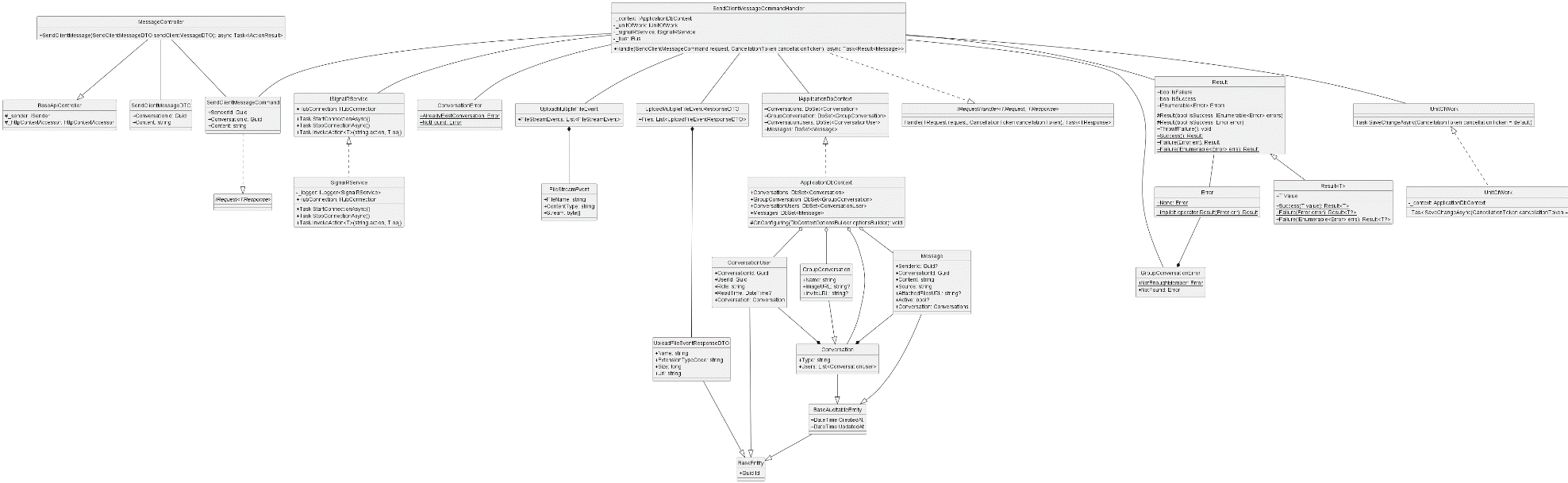
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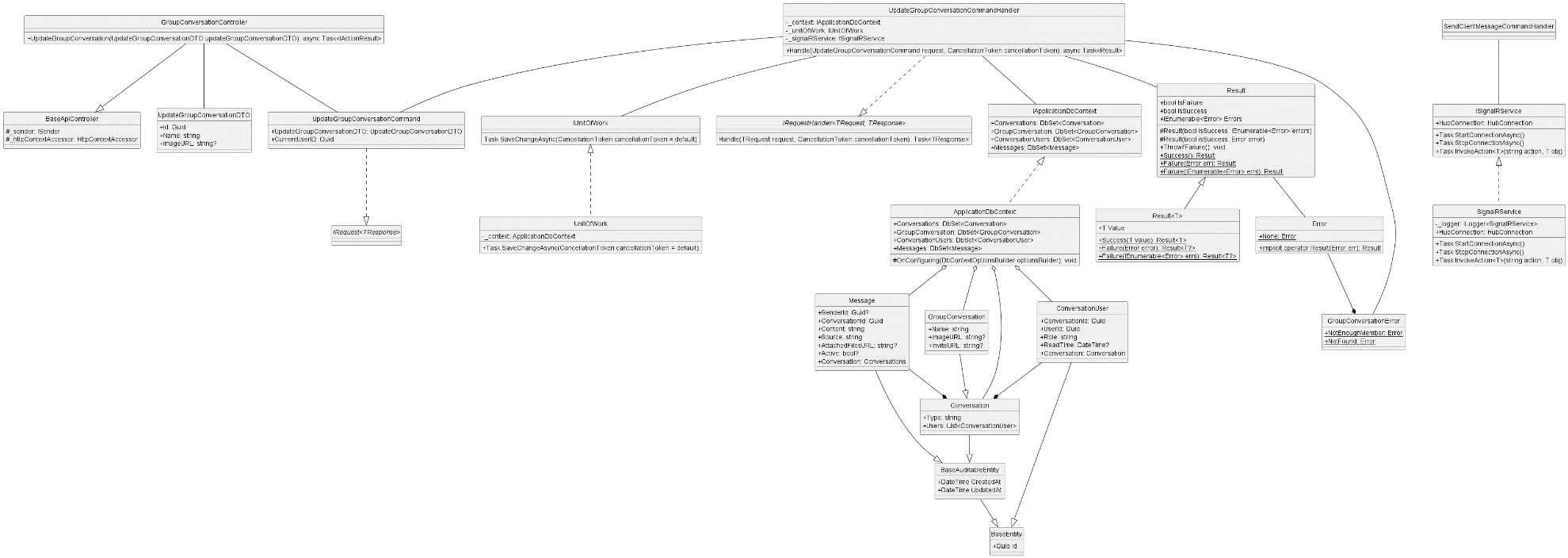
* + 1. **Group Disband**

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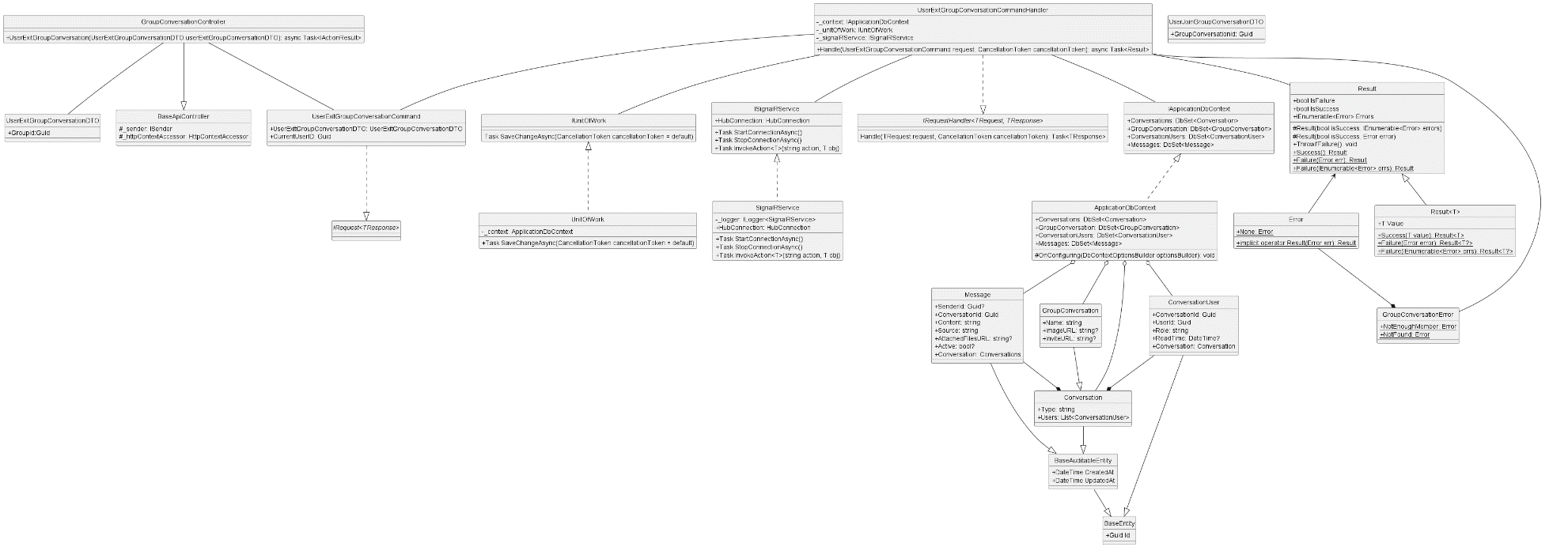
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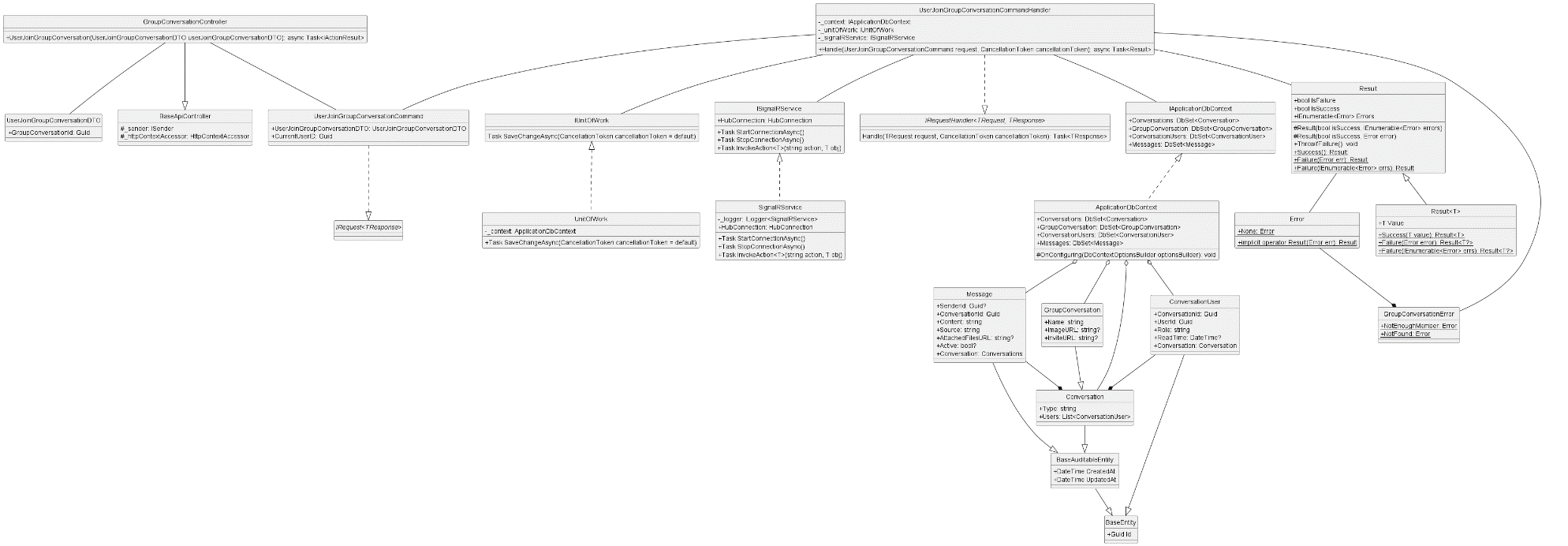
* + 1. **Update Group Conversation**

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* + 1. **User Exit Group**

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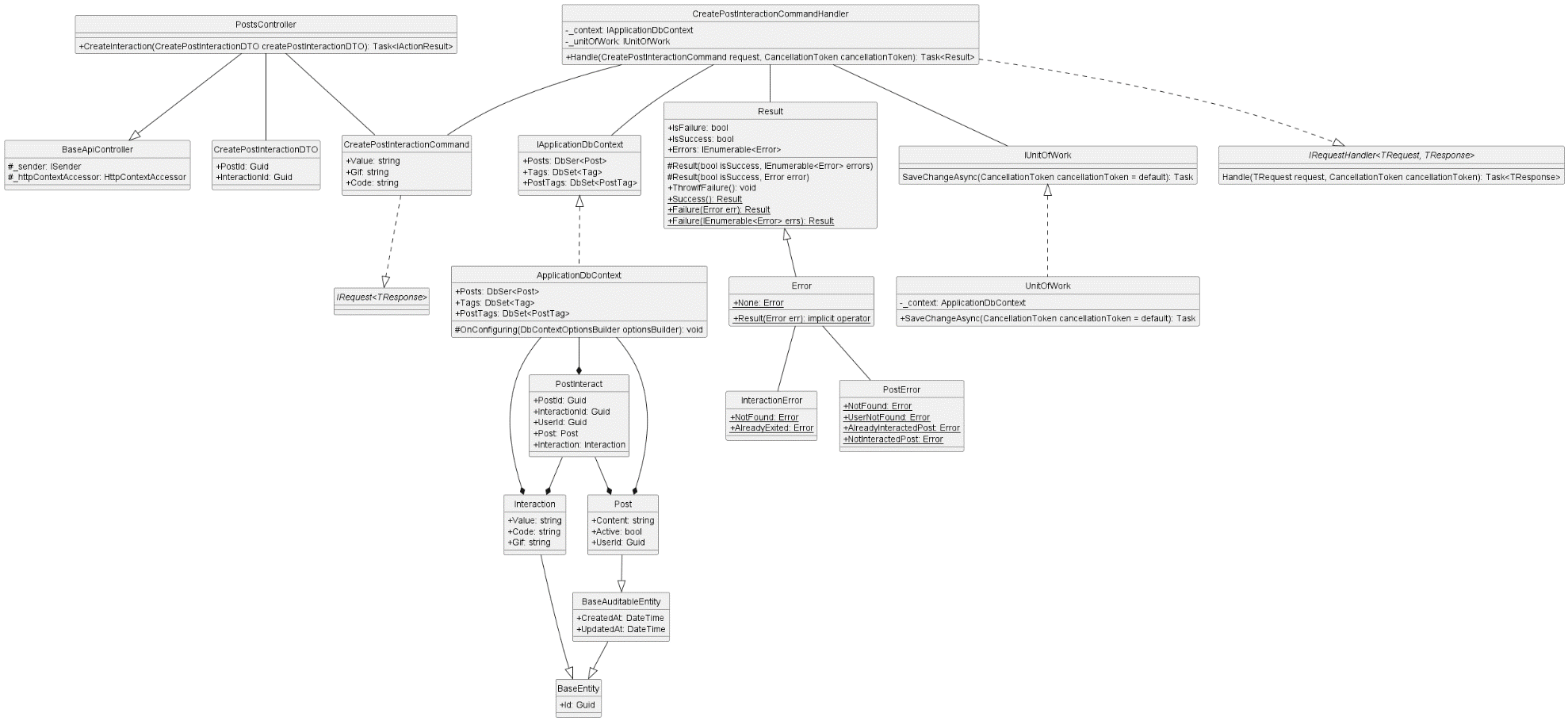
* + 1. **User Join Group**

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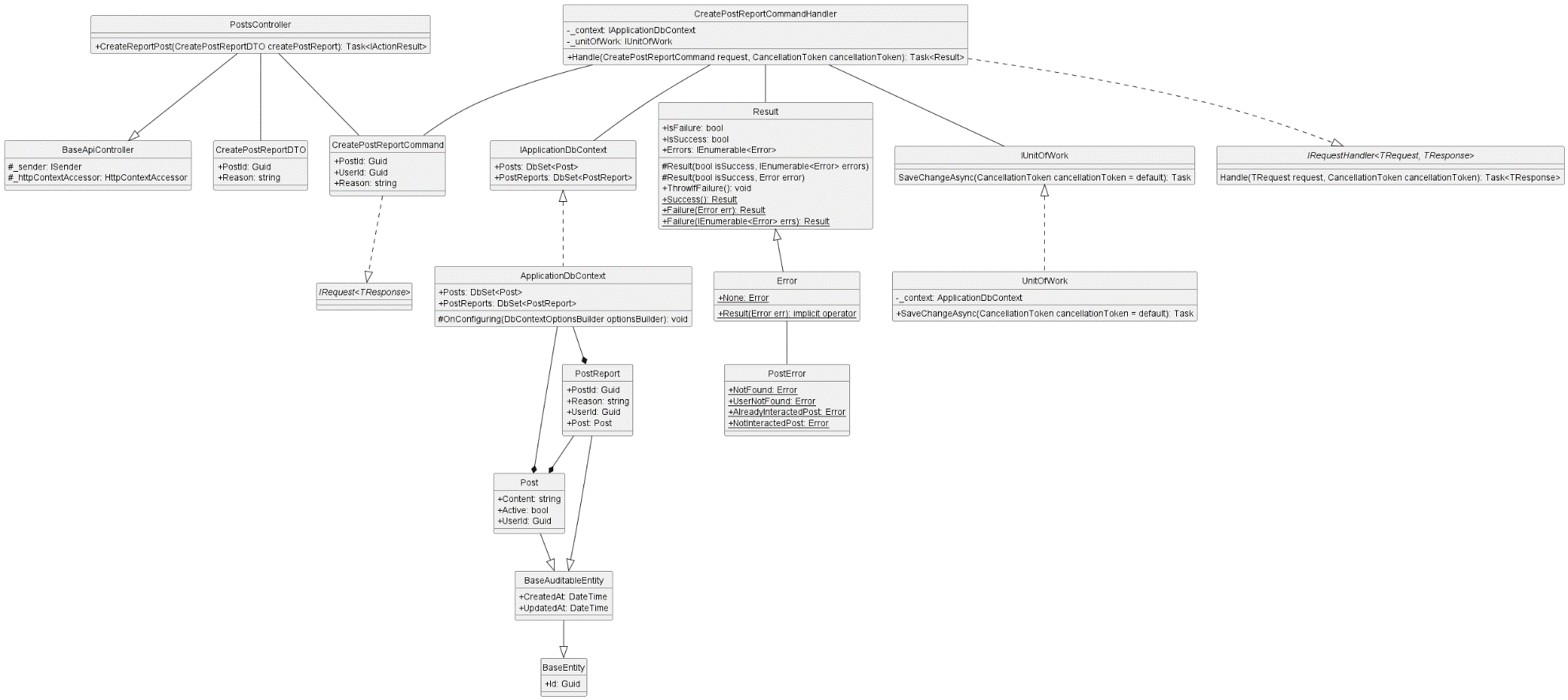
* 1. **Post**
     1. **Create Post**

****

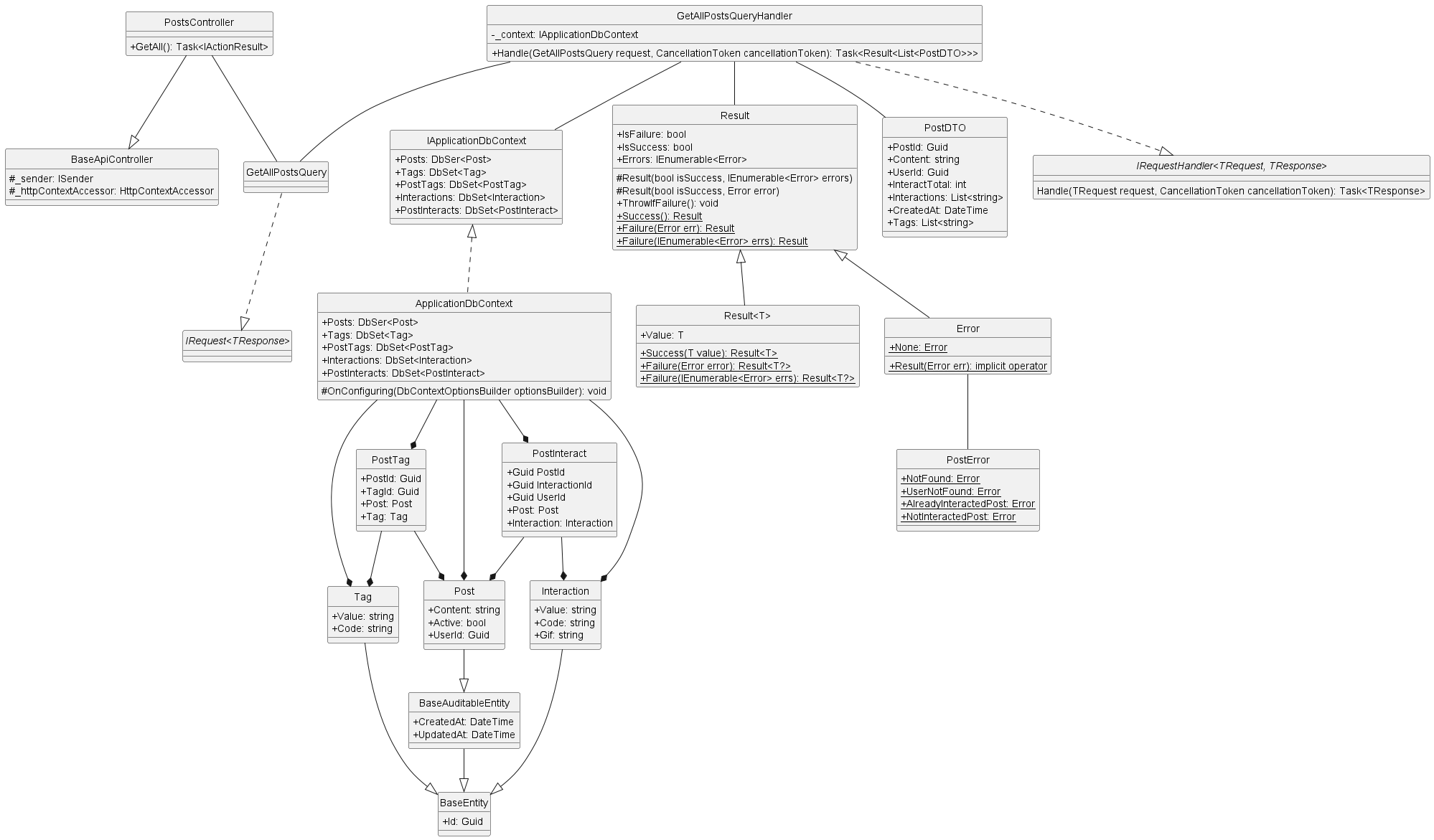
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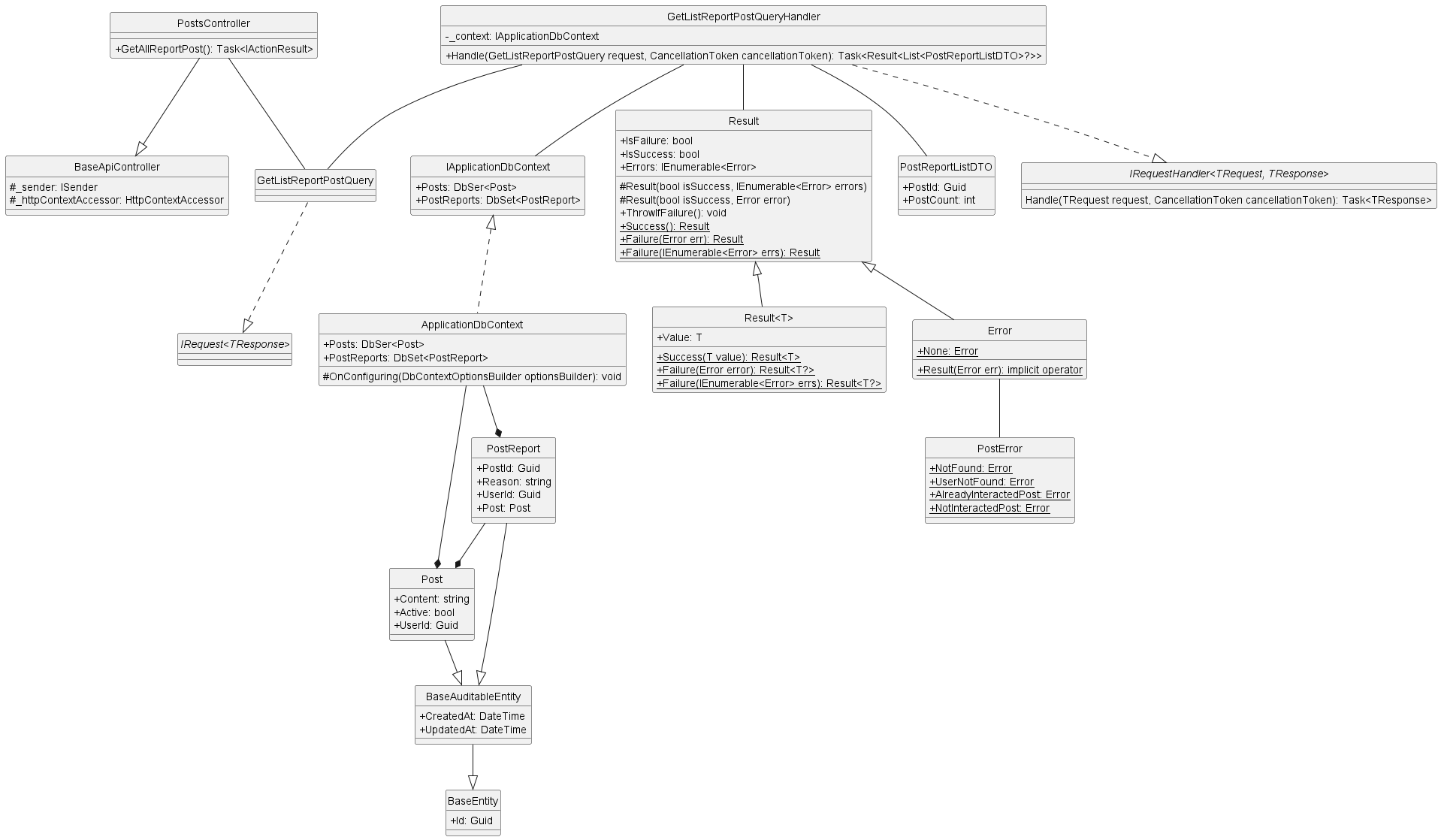
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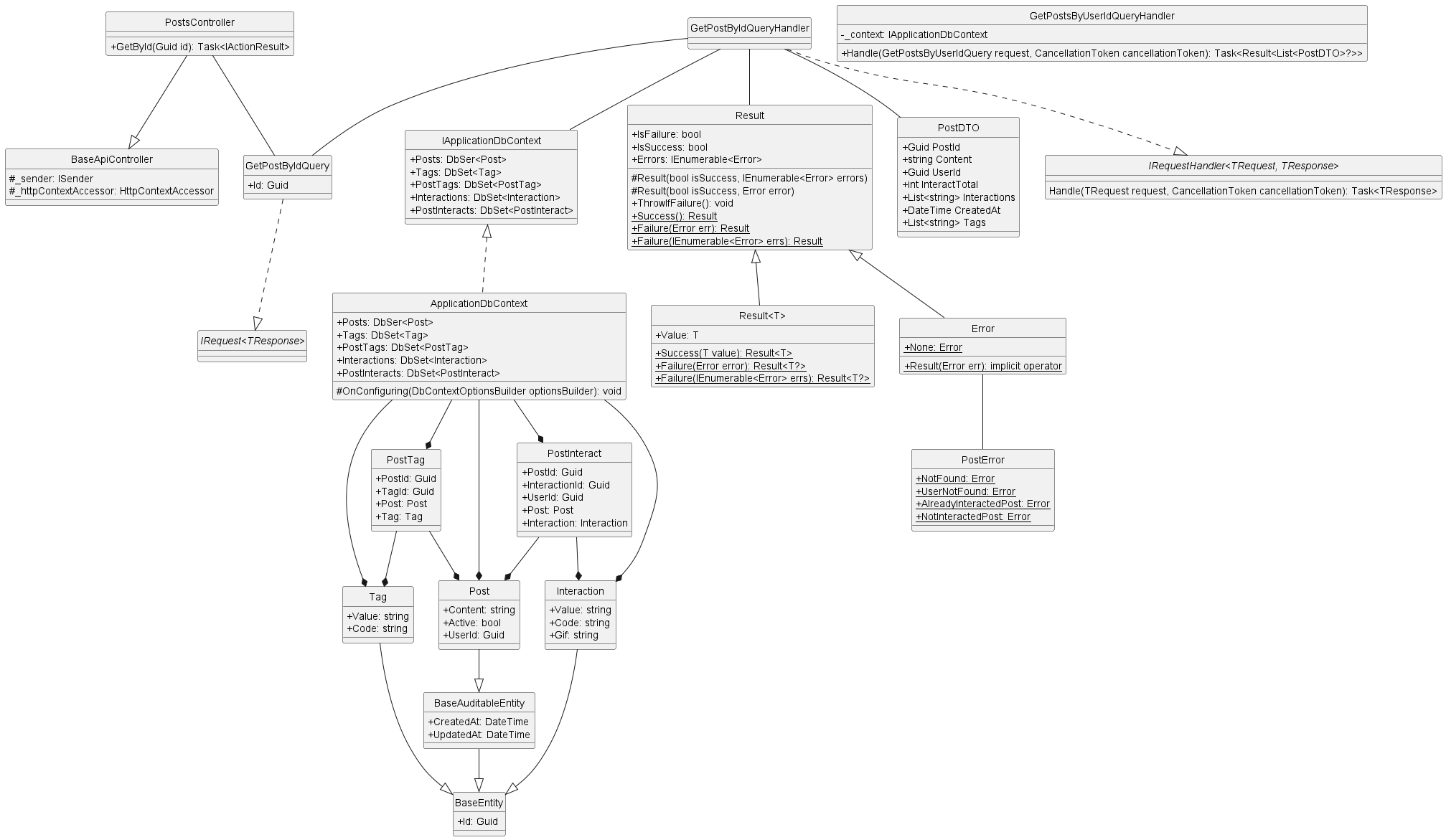
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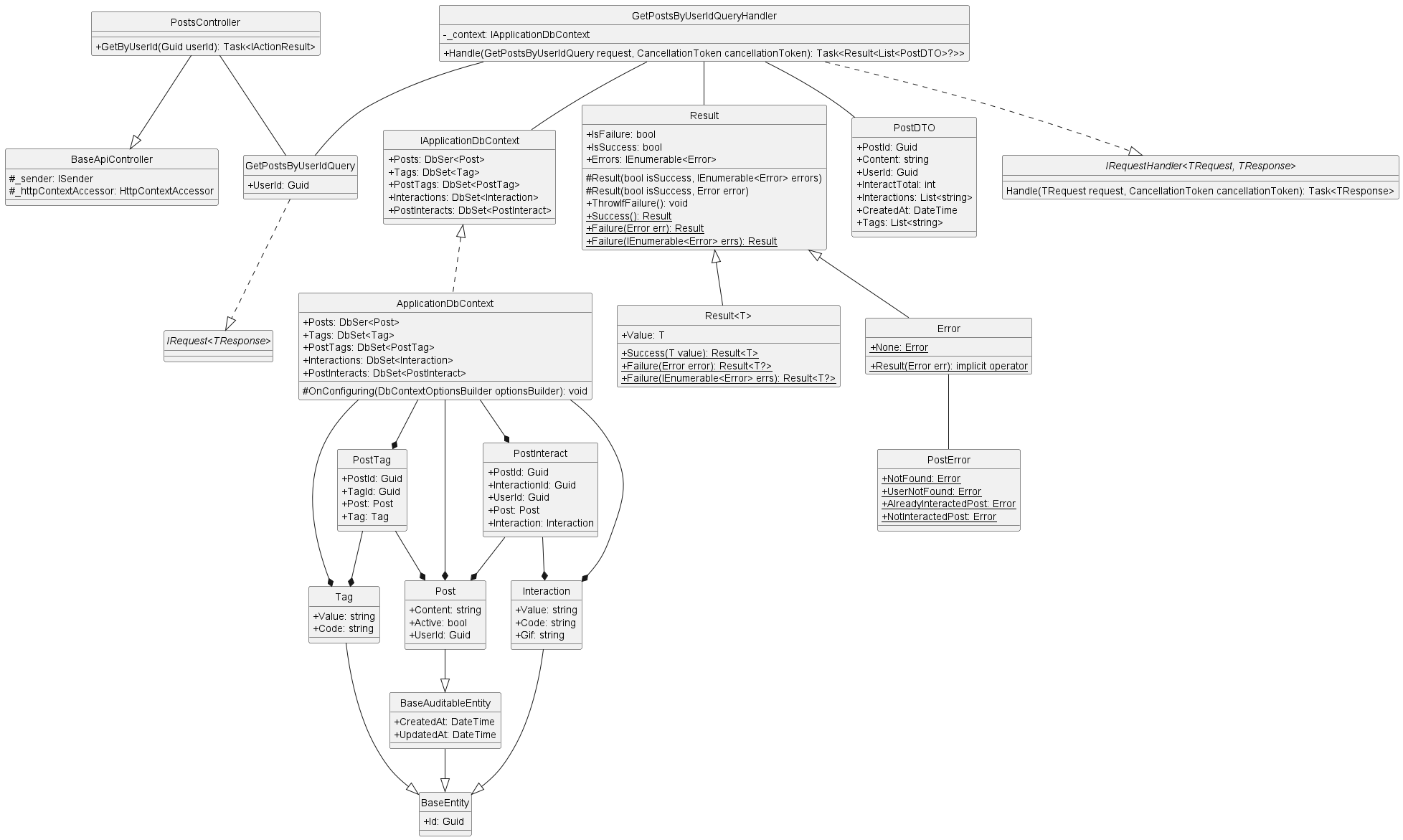
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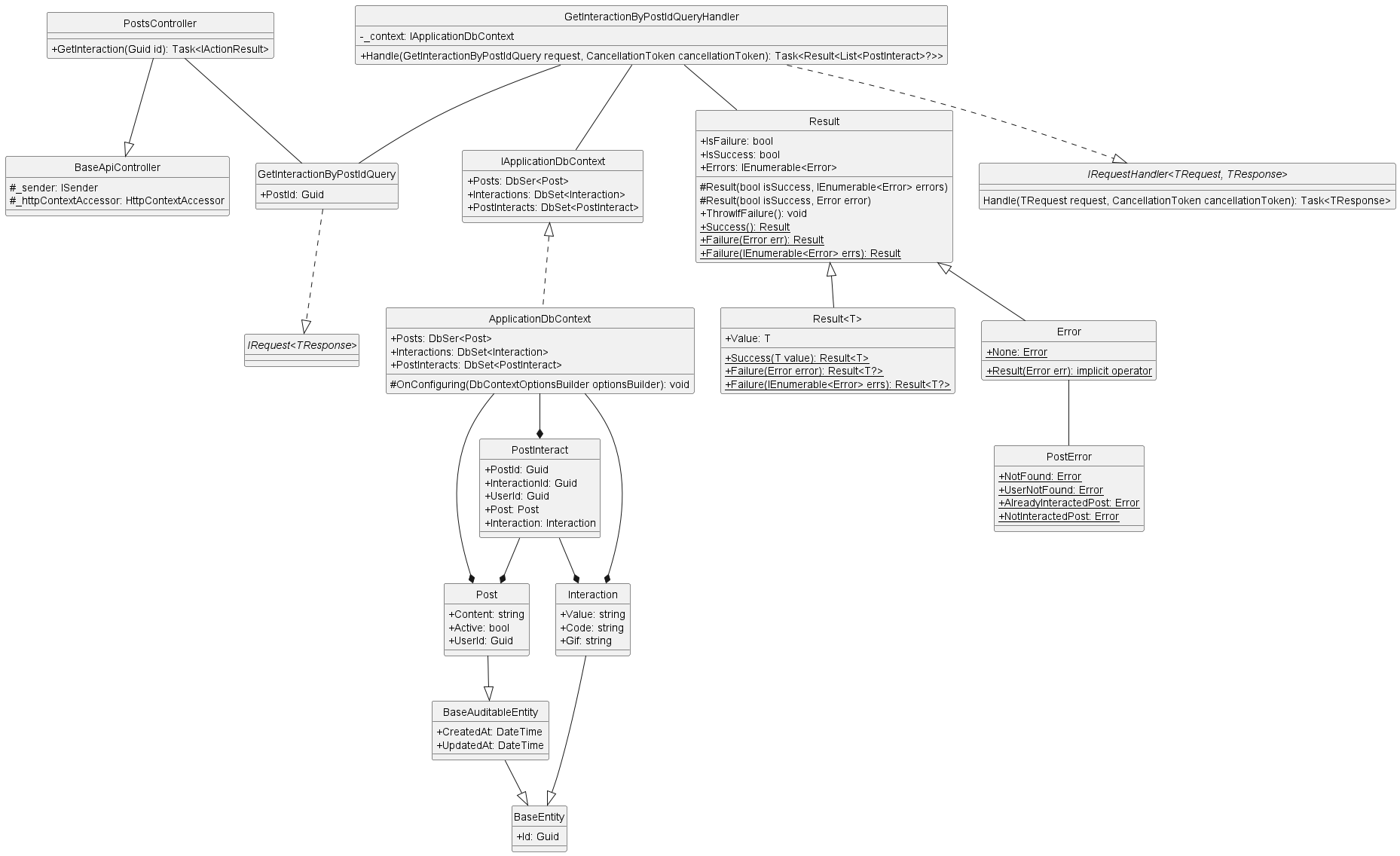
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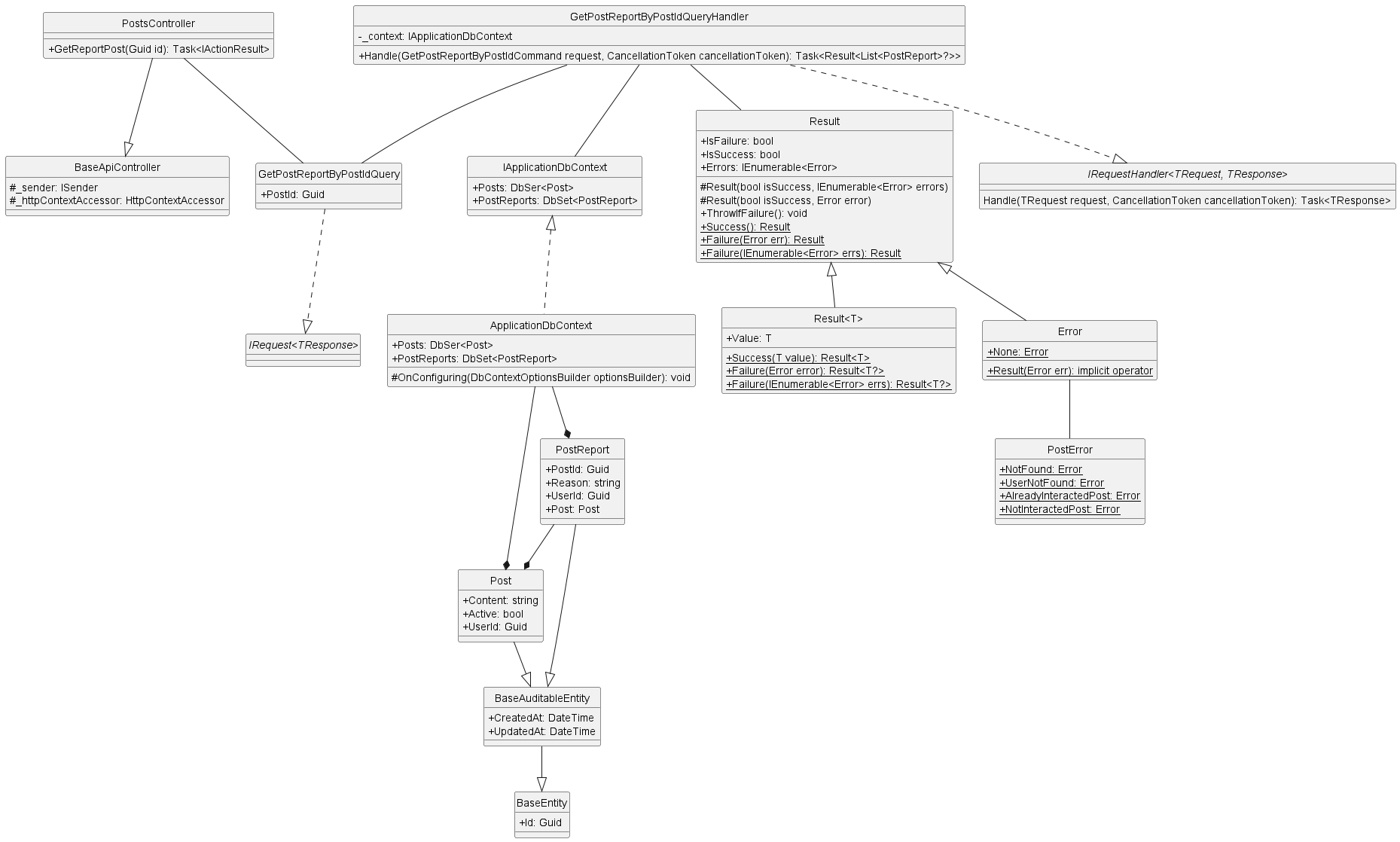
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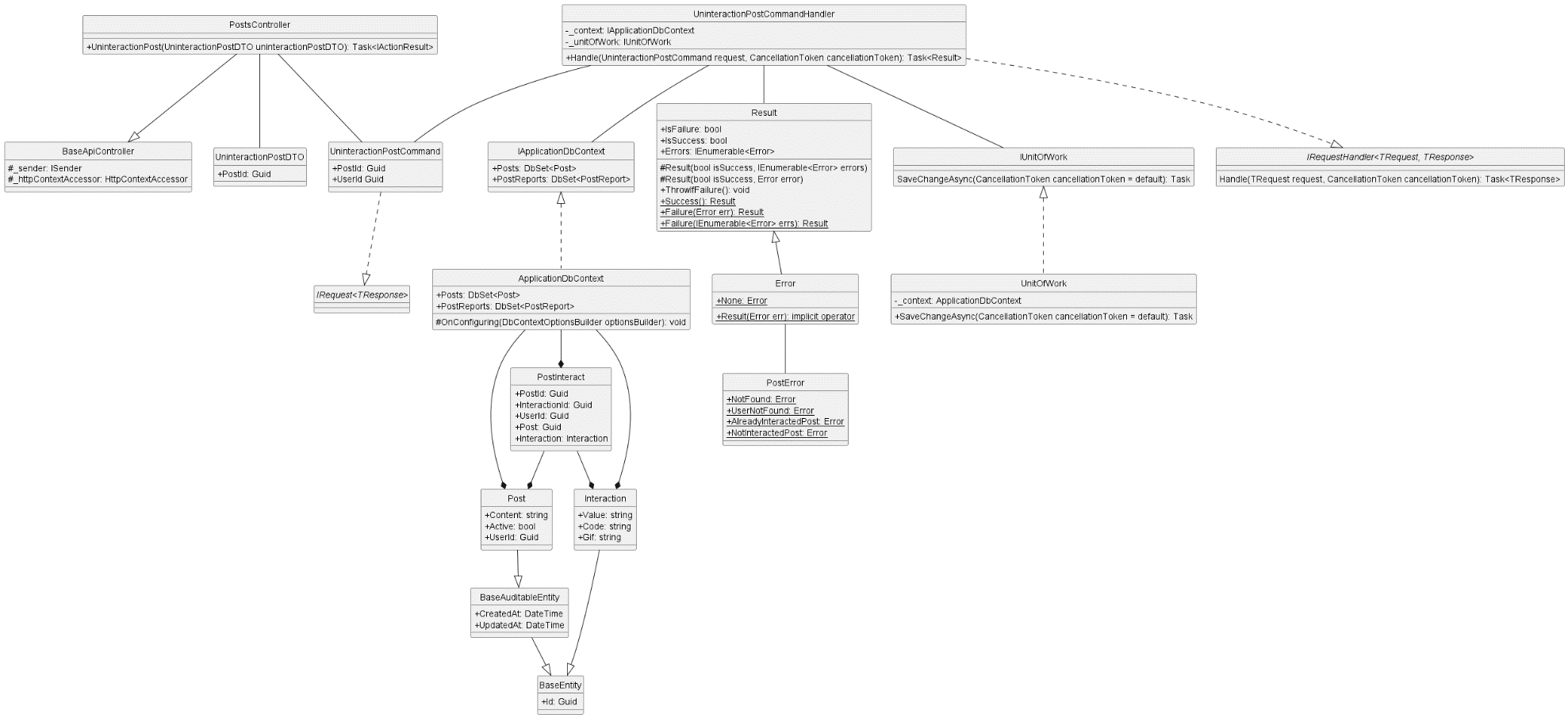
* + 1. **Get Post Interaction**

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* + 1. **Get Report Post By Post Id**

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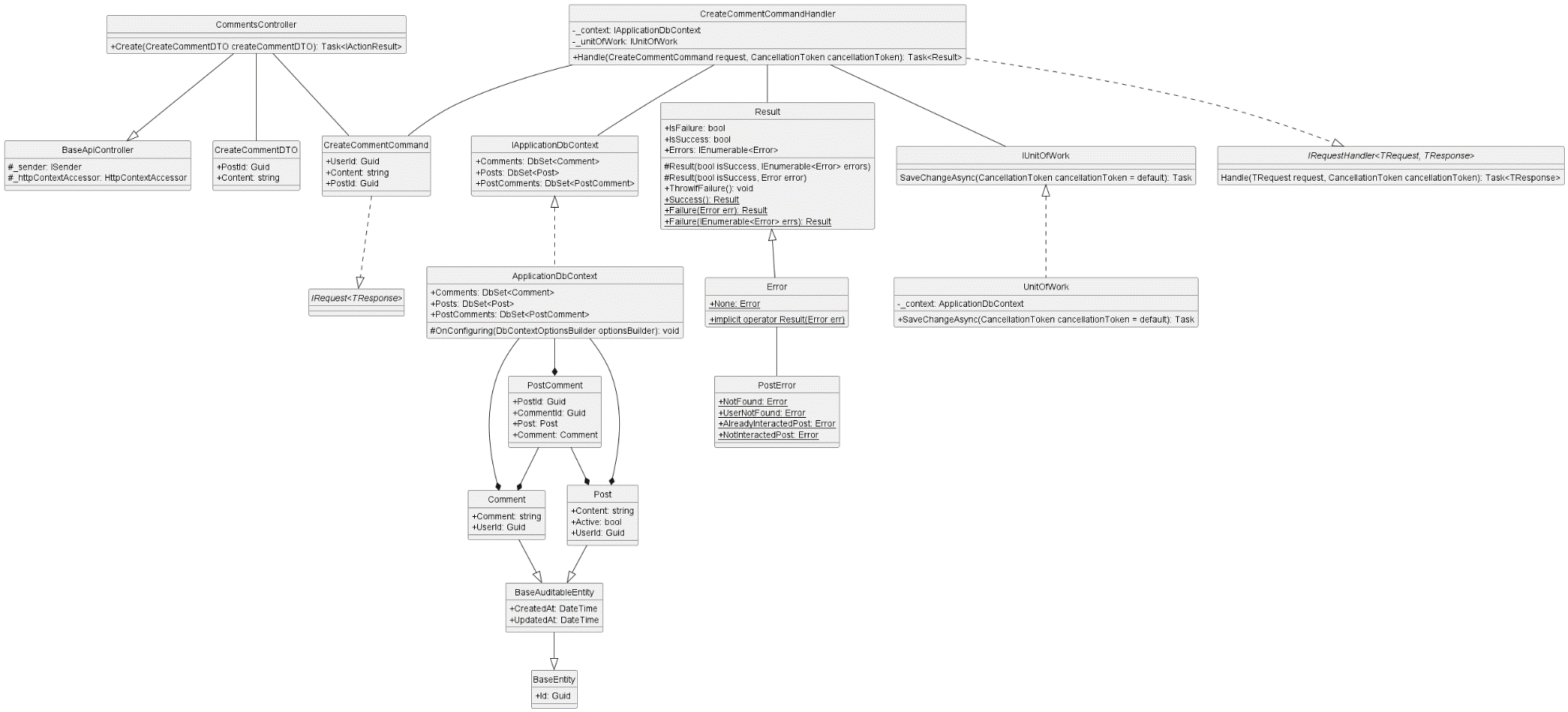
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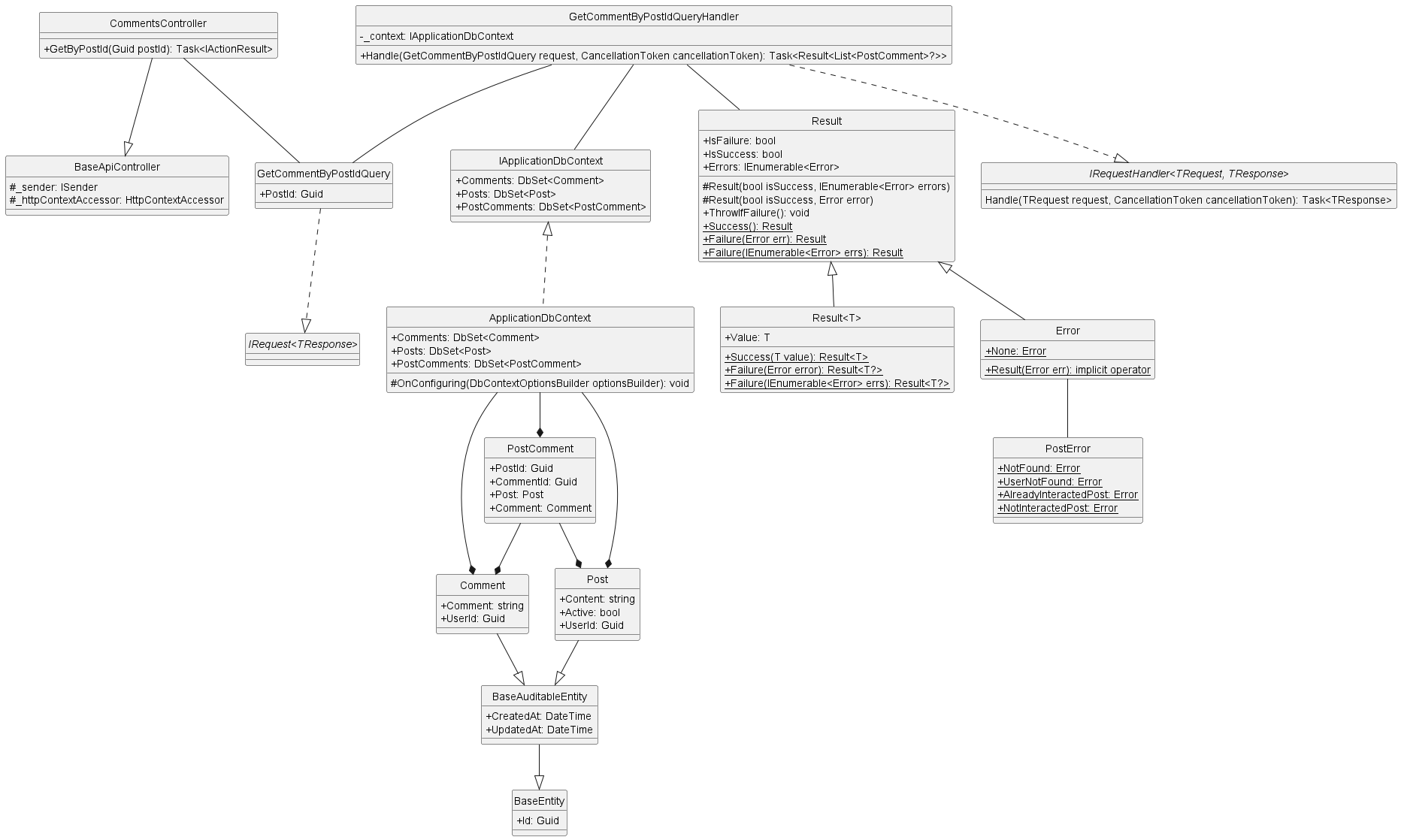
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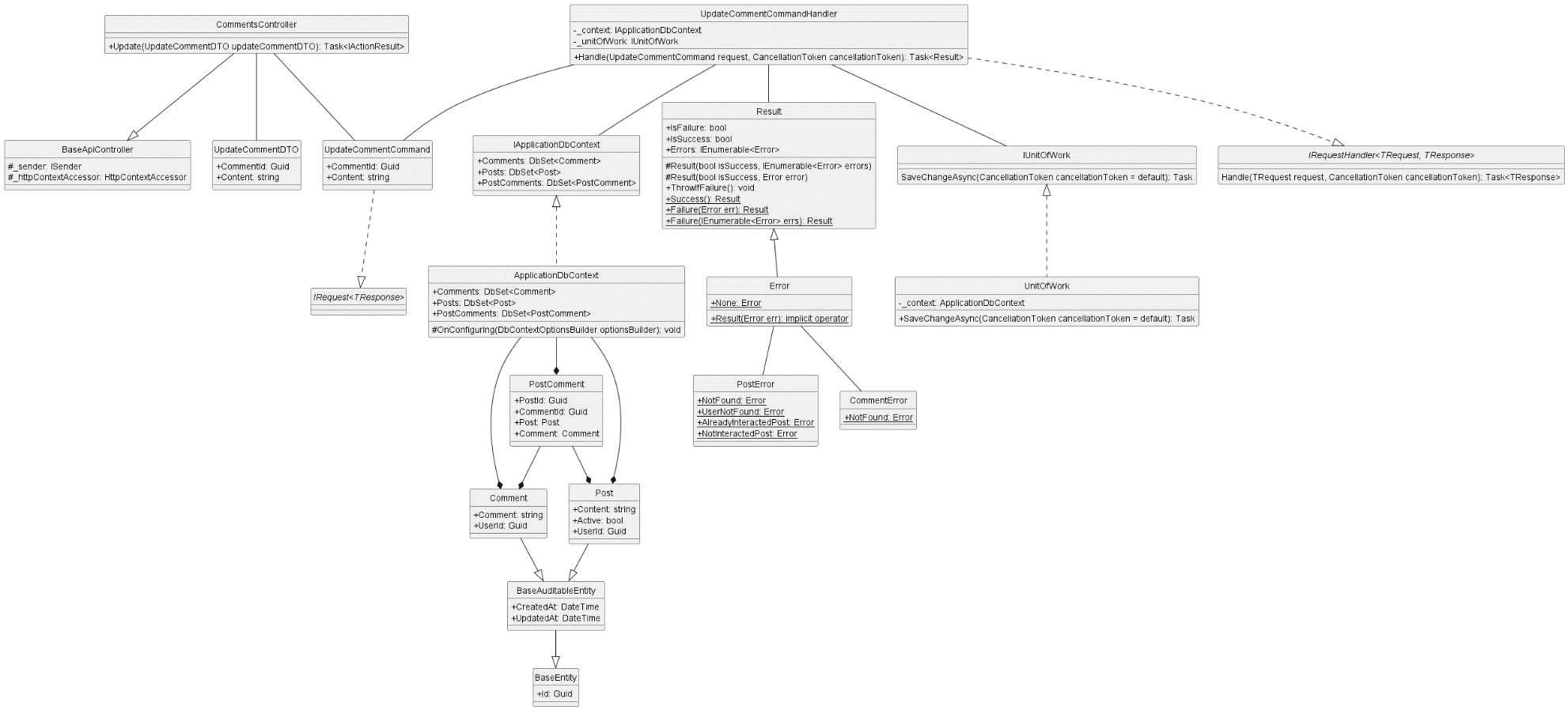
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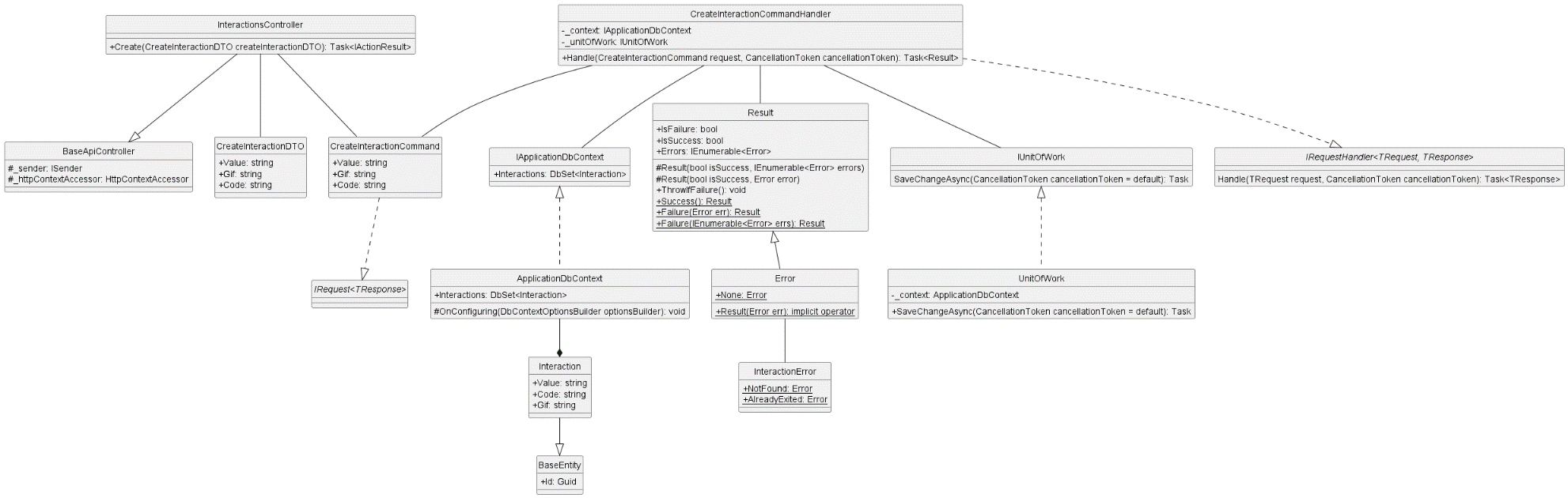
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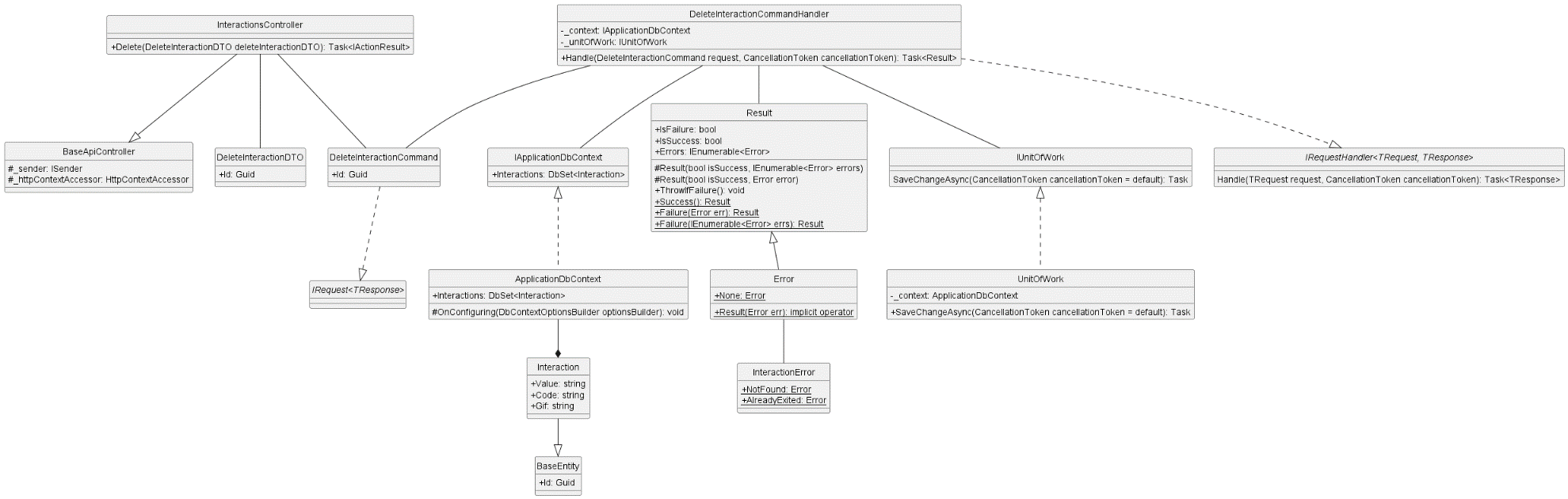
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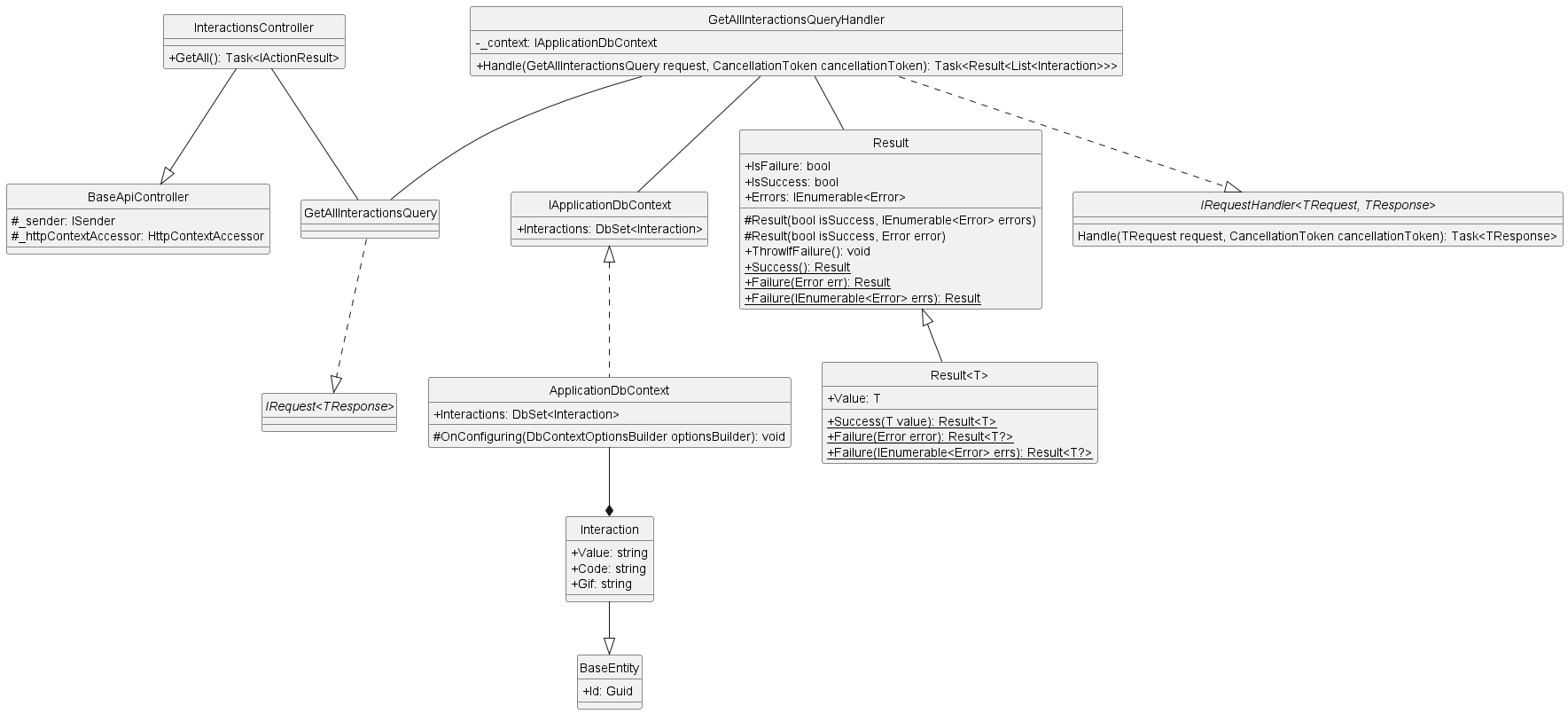
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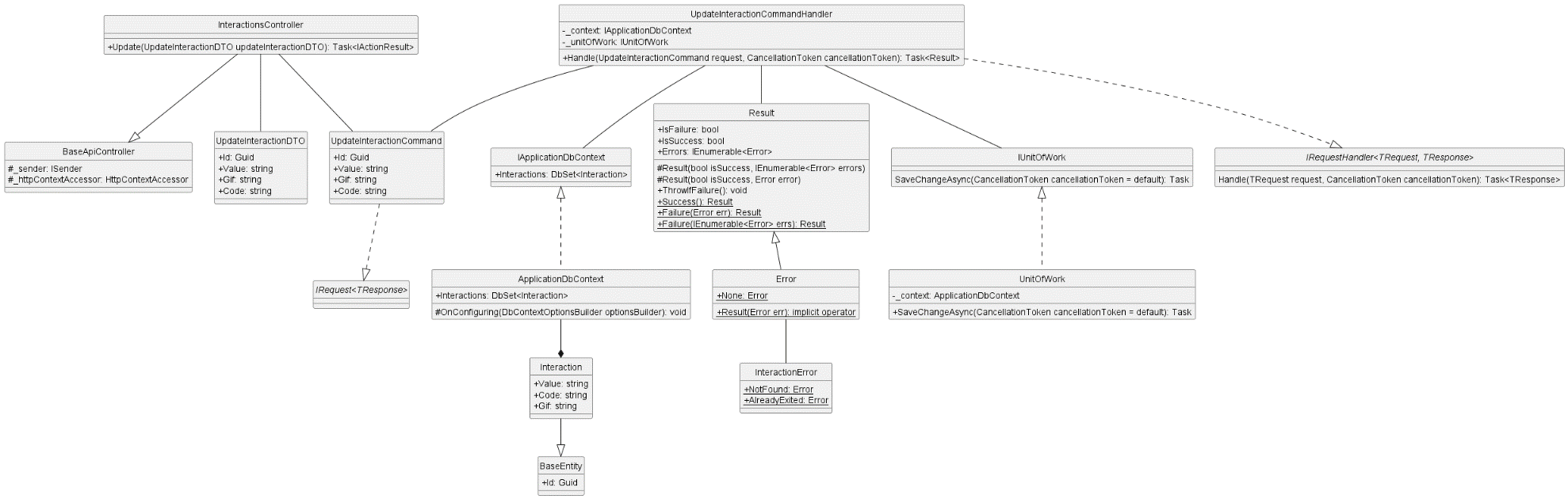
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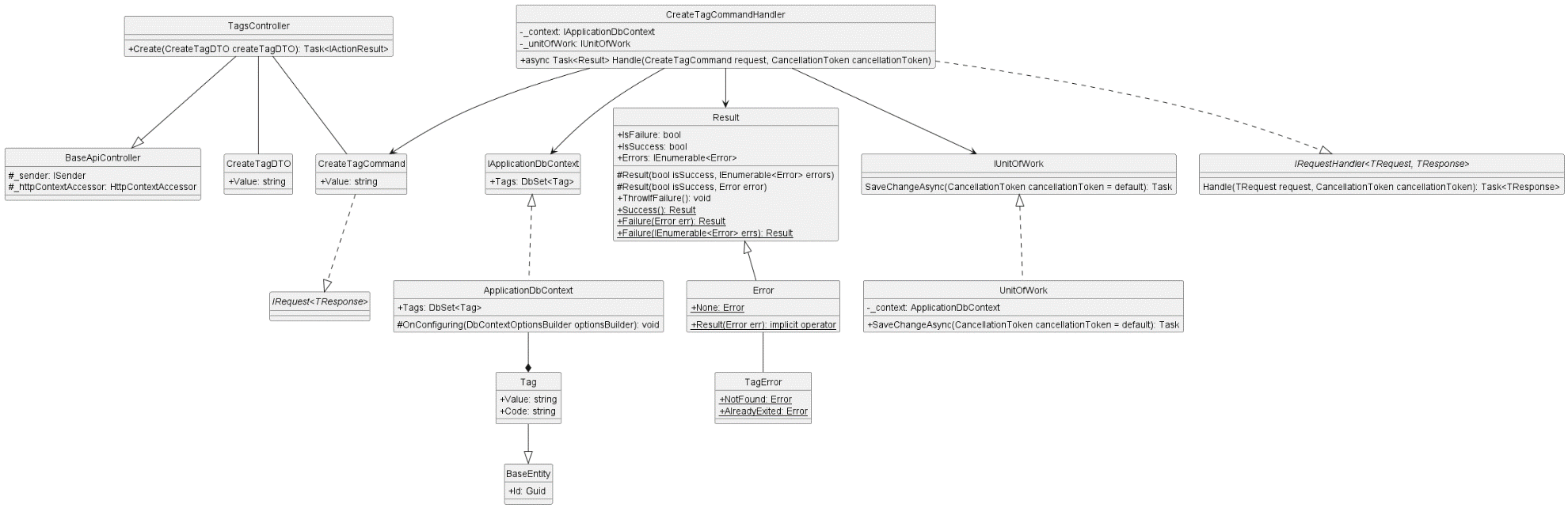
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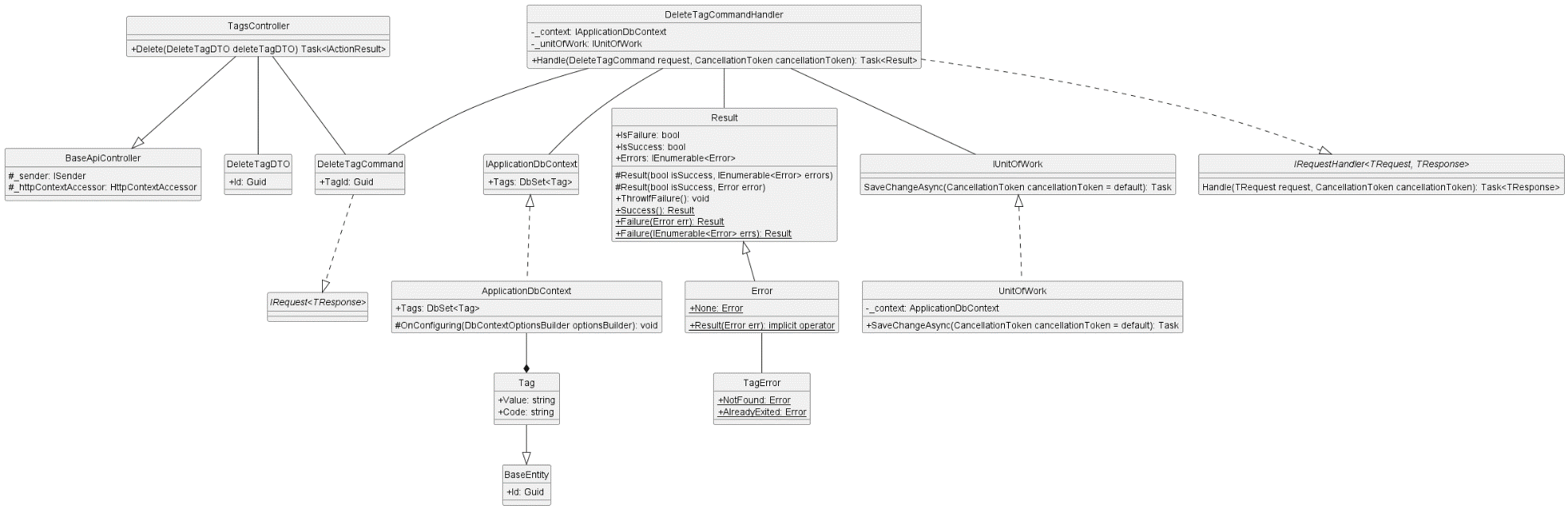
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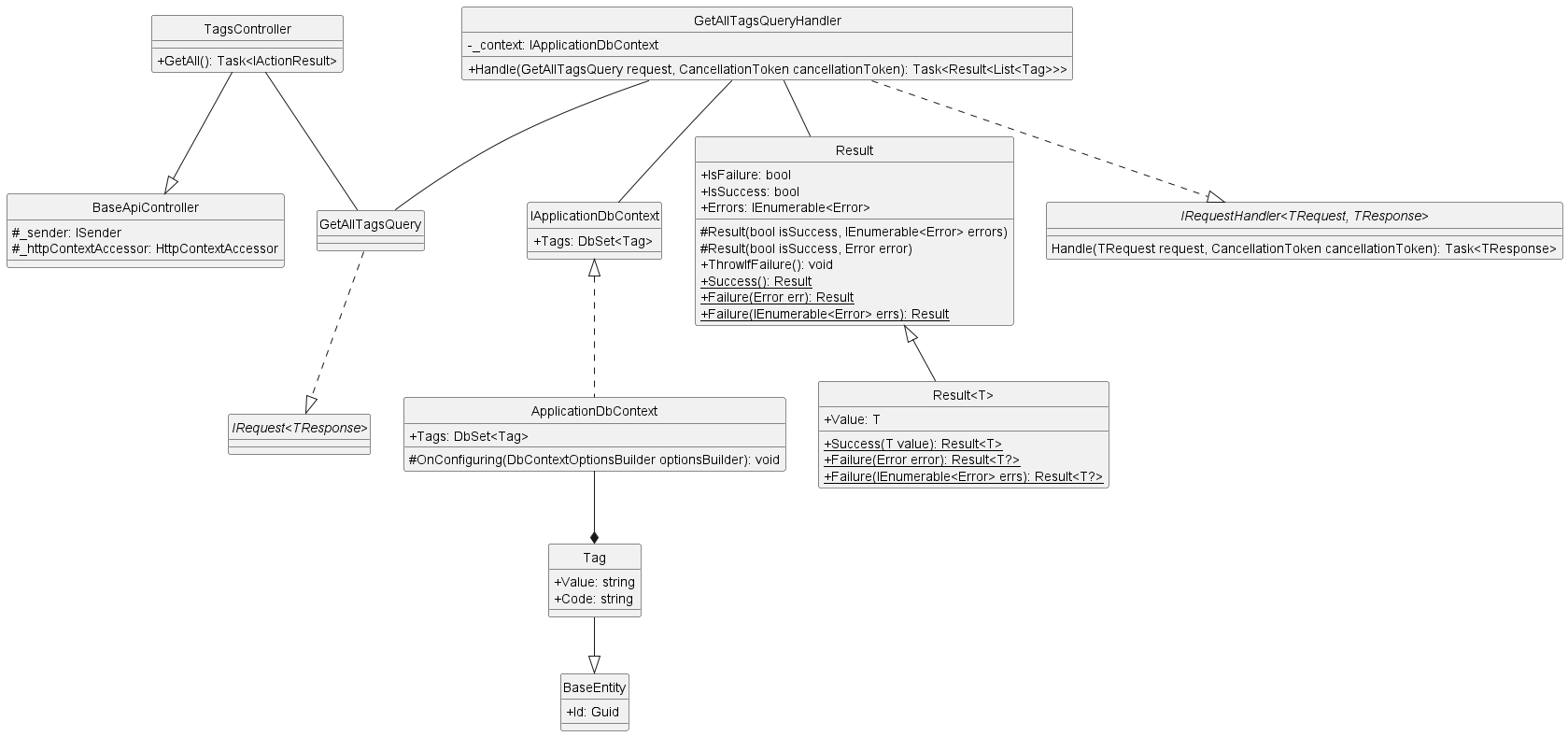
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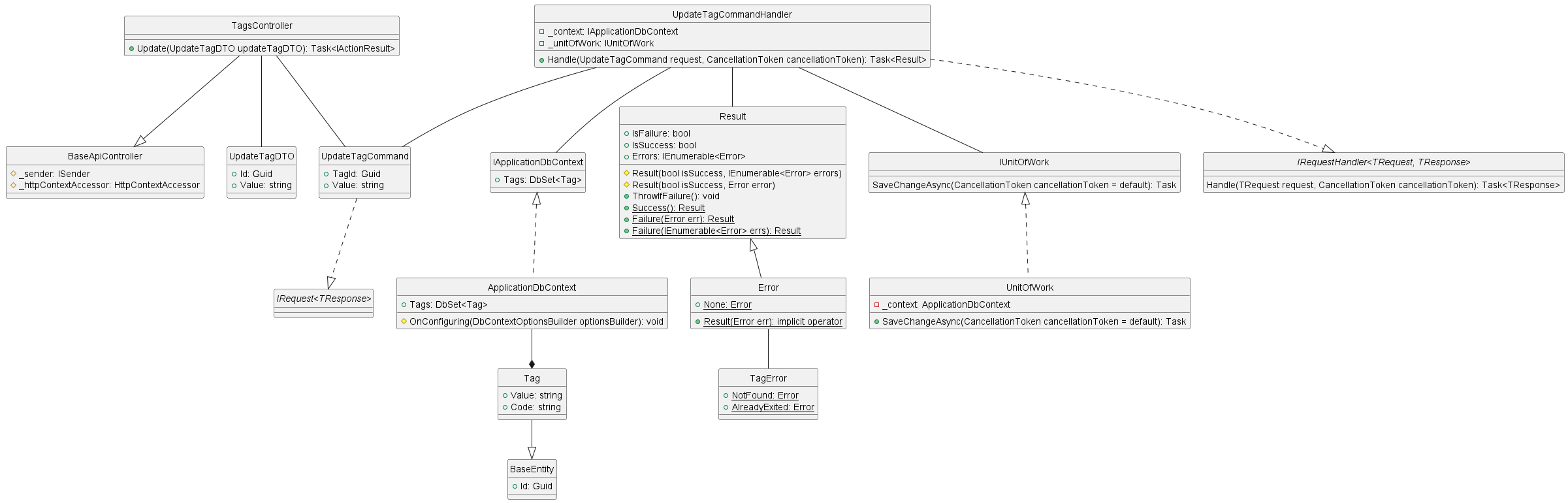
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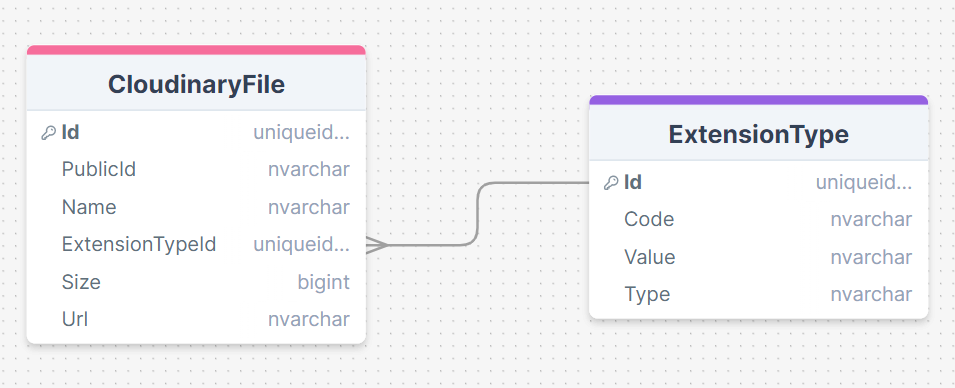
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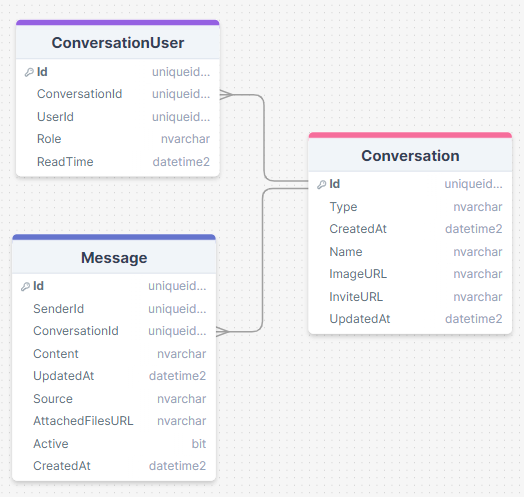
1. **Database diagram**
   1. **FileDB**

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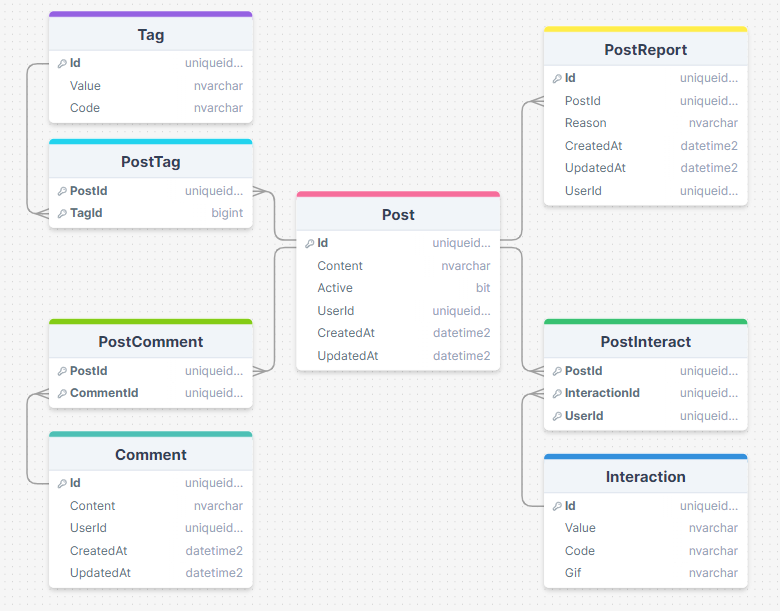
* 1. **IdentityDB**

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* 1. **MessageDB**

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* 1. **PostDB**

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