| **Class ID** | **Class Name** | **Subsystem ID** | **Description & Responsibility** |
| --- | --- | --- | --- |
|  | PageEntity | Page | Saves Page data & manipulate it |
|  | PageController | Page | Manages & do requested services by view & save it's effect through entities |
|  | PageView | Page | Interface for Services of Page component |
|  | PageFollowersEntity | Page | Save page Followers in the database |
|  | HashtagEntity | Hashtag | Saves Hashtag data & manipulate it |
|  | HashtagController | Hashtag | Manages & do requested services by view & save it's effect through entities |
|  | HashtagView | Hashtag | Interface for Services of Hashtag component |
|  | ChatEntity | Chat | Saves Chat data & manipulate it |
|  | ChatController | Chat | Manages & do requested services by view & save it's effect through entities |
|  | ChatView | Chat | Interface for Services of Chat component |
|  | ChatNotification | Chat | Save massage notification in the database whenever there is a massage, in order to view all of them by get\_notifications() function in ChatController class |
|  | ChatValidation | Chat | Controls Validation operations on data entered through view |
|  | PrivateGroupEntity | Group | Saves Private Group data & manipulate it |
|  | PublicGroupEntity | Group | Saves Public Group data & manipulate it |
|  | IGroupEntity | Group | Interface for both public and private group Entities |
|  | PrivateGroupController | Group | Manages & do requested services by view & save it's effect through private group entities |
|  | PrublicGroupController | Group | Manages & do requested services by view & save it's effect through public group entities |
|  | IGroupController | Group | Interface for both public and private group Controllers |
|  | GroupView | Group | Interface for Services of Group component |
|  | GroupMembersEntity | Group | Save group members in the database |
|  | PendingRequest | Group | Save pending requests to join a private group so that admin of the group can confirm or refuse these requests |