Class Association Matrix

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | System user | order | investor | security | exchange | Security balance | portfolio | Portfolio transaction | Cash account | Cash transaction |
| System user |  | Place | Create | create | create |  | create |  | create |  |
| order | Placed by |  | Related to | Belong to |  |  | Related to |  |  |  |
| investor | Created by | has |  |  |  |  | has |  | has |  |
| security | Created by | Has order |  |  | Belong to | has |  | Related to |  |  |
| exchange | Created by |  |  | has |  |  |  |  |  |  |
| Security balance |  |  |  | Belong to |  |  | Belong to |  |  |  |
| Portfolio | Created by | has | Related to |  |  | has |  | has |  |  |
| Portfolio transaction |  |  |  | has |  |  | Related to |  |  |  |
| Cash account | Created by |  | Related to |  |  |  |  |  |  |  |
| Cash transaction |  |  |  |  |  |  |  |  |  |  |