USER

Movie2

Movie1

Movie3

Movie4

7

10

Adventure, Super Hero

Comedy, Super Hero,SciFi,Adventure

Comedy,SciFi,Adventure

Comedy, Super Hero

?

?

Input User Rating

|  |  |
| --- | --- |
| Movie | Rating |
| Movie1 | 7 |
| Movie2 | 10 |

Movie Matrix

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Movie | Comedy | Adventure | Super Hero | SciFi |
| Movie1 | 0 | 1 | 1 | 0 |
| Movie2 | 1 | 1 | 1 | 1 |

Weighted Genre Matrix (Movie Matrix\*Input User Rating)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Movie | Comedy | Adventure | Super Hero | SciFi |
| Movie1 | 0 | 7 | 7 | 0 |
| Movie2 | 10 | 10 | 10 | 10 |

User Profile :

|  |  |  |  |
| --- | --- | --- | --- |
| Comedy | Adventure | Super Hero | SciFi |
| 10 | 17 | 17 | 10 |

User Profile Normalized:

|  |  |  |  |
| --- | --- | --- | --- |
| Comedy | Adventure | Super Hero | SciFi |
| 0.185 | 0.315 | 0.315 | 0.185 |

Movie Matrix (unwatched)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Movie | Comedy | Adventure | Super Hero | SciFi |
| Movie3 | 1 | 1 | 0 | 0 |
| Movie4 | 1 | 0 | 1 | 0 |

Weighted Genre Matrix unwatched(Movie Matrix unwatched\*User Profile Normalized)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Movie | Comedy | Adventure | Super Hero | SciFi | Sum |
| Movie3 | 0.185 | 0.315 | 0 | 0.185 | 0.685 |
| Movie4 | 0.185 | 0 | 0.315 | 0 | 0.5 |

Recommendation matrix

|  |  |
| --- | --- |
| Movie | Possible Rating |
| Movie3 | 0.685 |
| Movie4 | 0.5 |