Week 9 – DMT Kraakman

*Exercise 4.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ENTITY: BOOKS | | | | |
| PK | ATTRIBUTE 1: TITLE\_ID | ATTRIBUTE 2: AUTHOR\_ID  FK connected to AUTHOR | ATTRIBUTE 3: PUBLISHER\_ID | ATTRIBUTE 4: PUBLICATION [PLACE, DATE] |
| 1 | The History of the Decline and Fall of the Roman Empire / Edward Gibbon | Edward Gibbon | Baynes | London, 1782-1788 |
| 2 | The French Revolution: A History | Thomas Carlyle | Tauchnitz | Leipzig, 1851 |
| 3 | Adam Bede | George Eliot | William Blackwood | Edinburgh, 1859 |
| 4 | The Mill on the Floss | George Eliot | William Blackwood | Edinburgh, 1878 |

|  |  |  |  |
| --- | --- | --- | --- |
| ENTITY: AUTHOR | | | |
| PK | ATTRIBUTE 1: AUTHOR\_ID | ATTRIBUTE 2: BIRTH [PLACE, DATE] | ATTRIBUTE 3: DEATH [PLACE, DATE] |
| 1 | Edward Gibbon | Putney, 1737 | London, 16 Jan. 1794 |
| 2 | Thomas Carlyle | Ecclefechan, 4 Dec. 1795 | London, 5 Feb. 1881 |
| 3 | George Eliot | Nuneaton, 22 Nov. 1819 | London, 22 Dec. 1880 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ENTITY: LOAN REGISTRATION | | | | |
| PK | ATTRIBUTE 1: BORROWER\_ID  FK connected to VISITORS | ATTRIBUTE 2: TITLE\_ID  FK connected to BOOKS | ATTRIBUTE 3: DATE\_BORROWED | ATTRIBUTE 4: DATE\_RETURNED |
| 1 | J. R. Thorbecke | The History of the Decline and Fall of the Roman Empire / Edward Gibbon | 20 Apr. 1861 | 14 Jun. 1861 |
| 2 | D. Blankenheym | The French Revolution: A History | 02 Jul. 1857 | 24 Jul. 1857 |
| 3 | W. C. van Pallandt | Adam Bede | 12 Nov. 1902 | 23 Jan. 1903 |
| 4 | W. Schimmelpenninck | The History of the Decline and Fall of the Roman Empire / Edward Gibbon | 04 Sep. 1878 | 14 Dec. 1878 |
| 5 | W. C. van Pallandt | The History of the Decline and Fall of the Roman Empire / Edward Gibbon | 20 Dec. 1878 | 15 Mar. 1879 |
| 6 | W. C. van Pallandt | Mill on the Floss | 20 Dec. 1878 | 29 Jan. 1879 |

|  |  |  |  |
| --- | --- | --- | --- |
| ENTITY: VISITORS | | | |
| PK | ATTRIBUTE 1: FULL\_NAME\_ID | ATTRIBUTE 2: BIRTH [PLACE, DATE] | ATTRIBUTE 3: DEATH [PLACE, DATE] |
| 1 | Dr. Mr. Johan Rudolf Thorbecke | Zwolle, 14 Jan. 1798 | Den Haag, 4 Jun. 1872 |
| 2 | D. Blankenheym | Rotterdam, 25 Mar. 1797 | Rotterdam, 06 Sep. 1872 |
| 3 | Mr. W. A. A. J. baron Schimmelpenninck van der Oye | Voorst, 18 Sep. 1834 | Voorst, 31 Aug. 1889 |
| 4 | Mr. W. C. baron van Pallandt van Waardenburg | Den Haag, 12 Oct. 1836 | Waardenburg, 22 May 1905 |