**<P-442- Book Recommendation>**

**Business Objective:**

**Generate the features from the dataset and use them to recommend the books accordingly to the users.**

### **Content**

The Book-Crossing dataset comprises 3 files.

* Users  
  Contains the users. Note that user IDs (User-ID) have been anonymized and map to integers. Demographic data is provided (Location, Age) if available. Otherwise, these fields contain NULL-values.
* Books  
  Books are identified by their respective ISBN. Invalid ISBNs have already been removed from the dataset. Moreover, some content-based information is given (Book-Title, Book-Author, Year-Of-Publication, Publisher), obtained from Amazon Web Services. Note that in case of several authors, only the first is provided. URLs linking to cover images are also given, appearing in three different flavours (Image-URL-S, Image-URL-M, Image-URL-L), i.e., small, medium, large. These URLs point to the Amazon web site.
* Ratings  
  Contains the book rating information. Ratings (Book-Rating) are either explicit, expressed on a scale from 1-10 (higher values denoting higher appreciation), or implicit, expressed by 0.

**Milestones:**

**30 days to complete the Project**

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| **Milestone** | **Duration** |
| **Kick off and Business Objective discussion** | **1 day** |
| **Data set Details** | **1 week** |
| **EDA** | **1 week** |
| **Model Building** | **1 Week** |
| **Model Evaluation** | **1 week** |
| **Feedback** |
| **Deployment/**  **Final presentation** | **1 day** |

**Protocols:**

1. **All the documentation – Final presentation and python code to be submitted before the final presentation day**
2. **All the participants must attend review meetings**