

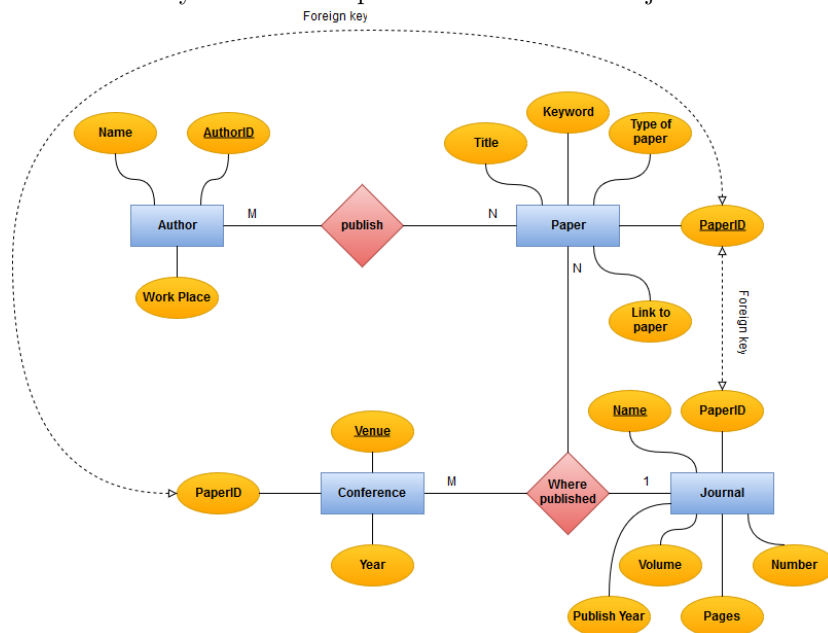
Phase 1 Report

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Hello! My name is Boris Makaev. I am 1st year Bachelor student of Innopolis University. I'm doing project all by myself. I want to say that I chose DBLP source to parse into my database.

1. ER model

You can see my ER model implementation for the Project database.



This ER model contains 4 entities. Author, Paper, Conference and Journal. Author entity keeps information about researcher that published some kind of science paper. Paper entity stores data about Publication itself. Next two entities are bounded with paper. They show us where the publication was published firstly. Of course we know that the same work could be presented at conference first and then it could be published in journal.

2. From ER to Relations

Here you can see my relations:

- Author(AuthorID : integer, Name : string, WorkPlace : string)
- Paper(PaperID : integer, Type : string, Keyword : string, Title : string, Link : string)
- Conference(Venue : string, Year : integer, PaperID : integer)
- Journal(Name : integer, Volume : integer, Number : integer, Pages : string, Year : integer, PaperID : integer)
- publishedPaper(AuthorID : integer, PaperID : integer)