A

Project on

Bibliography Manager

CS615  
Internet Solutions Engineering

(National University of Ireland, Maynooth)

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**Introduction**

Bibliography Manager is a tool specially designed for the researcher for collecting and organizing literature. The application is capable of storing a metadata about the research paper, books, journals and other publications. Researcher can create their own libraries which will contain metadata about different references. Also, researchers can share their libraries with other researcher with specific permissions.

**Technologies and Tools used**

The technology used in the project are as follows: -

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| * HTML * CSS * Bootstrap | * jQuery * JavaScript * PHP |

Tool used in the project for dealing with database

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| phpMyAdmin |

Web-Server Details

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| XAMPP open-source cross-platform web server solution stack package developed by Apache |

**Why these Technologies?**

* **Bootstrap –** Being a free and open source software, Bootstrap is a flexible and powerful front-end framework that provides a free collection of tools for our web application. As we have also used HTML, CSS and JavaScript technologies, bootstrap helped us in faster front end web development and making it responsive for mobile users as well. Major role of selecting Bootstrap is that it helped us to maintain consistency and cross browser compatibility.
* **jQuery –** Is used for popovers, accordions, sliders, modals that we have used in our project.
* **JavaScript –** In order to do validation on client side such as restricting the user from entering wrong input and to provide feedback to the user. We have used JavaScript.
* **PHP –** As we have chosen our database to be MySQL. So, we choose PHP language easy to interact with the database along with that it is very easy to setup and design website. Apart from this we always wanted to learn PHP so it was a golden chance for us to learn a new language.

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| Figure 1: Illustration of how technologies are used in Project |

**Front end development**

1. **Approach** **(Specification)**
2. **Problems Faced**
3. **Solution**

**Back end development**

1. **Approach (Specification)**
2. **Problems Faced**
3. **Solution**