

The present work deals with the analysis, design and implementation of an issue tracking system with web interface. The introduction is to explain what an issue tracker is and what are the benefits of its deployment in the organization or company. Consequently, new solution is designed and described with the help of usecases. The work brings an overview of technologies and patterns used in Java web application development. Architecture of the application and the way selected technologies are used is described. The main part of the work is the implementation of the application itself in the Java language with the help of Struts2, Spring, Hibernate and Lucene technologies.