COMMITTEE SELECTION TOOL

- Team Members:

- Harshita Agrawal
- Nischay Maridevegowda
- Priyanka Shenoy

SUB TEAM

- UI - Harshita, Priyanka
- Frontend - Harshita, Nischay
- Query Engine – Nischay, Priyanka

TOOLS

- Jira
- Git
- Jenkins
- EclEmma
- Mlab (MongoDB)
- Sonar Lint

SYSTEM FUNCTIONALITY

SYSTEM ARCHITECTURE

Parser

- Parses DBLP xml, committee data and cs rankings data
- Stores parsed information into MongoDB
- Author, article, committee collection are created

Query Engine

- Converts object into queries according to search criteria
- Queries MongoDB
- Sets result set received from MongoDB

UI

- Receives & validates user input
- Bundles into object for processing by QE
- Displays result set received from QE

FEATURES WE ADDED IN PHASE 4

- The system has a consolidated, interactive user interface.
- New functionality of combined search.
- Hovering over the cells in the result table gives the full text of the table cell.
- Additional author data parsed from csrankings.
- Expanding committee data to all conferences.
- Ability to save shortlisted authors in .csv format

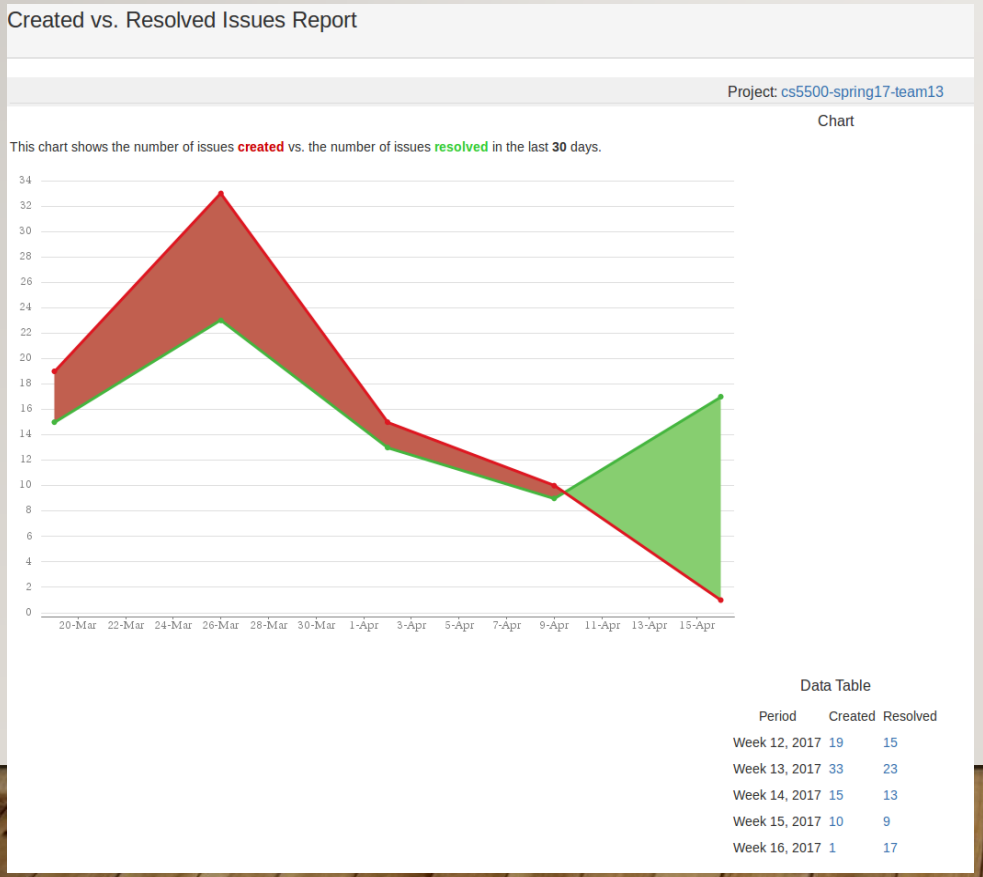
ADDITIONAL DATA

- Unique issues – 21 ; Resolved – 21
- EclEmma Code coverage

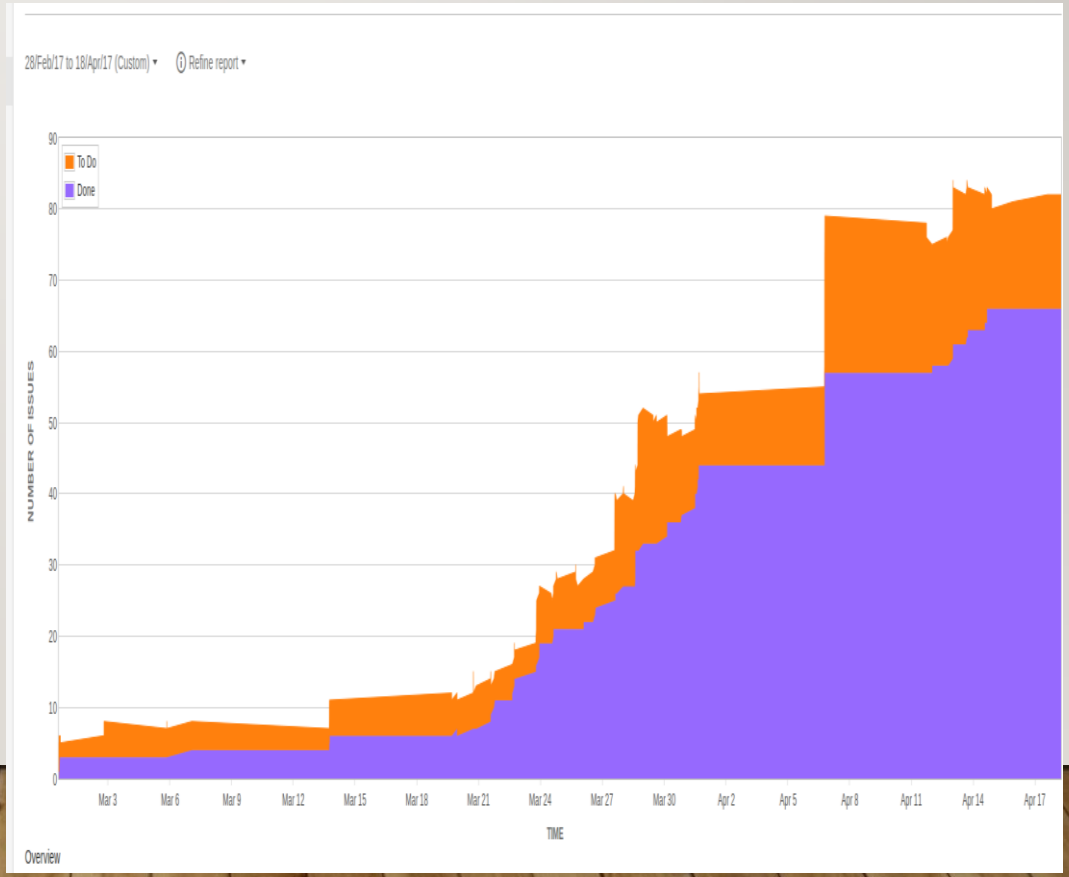
Element	Coverage	Covered Instructions	Missed Instructions
MSDProject	47.8 %	4,058	4,437
Test	98.6 %	932	13
src	41.4 %	3,126	4,424
msd.queryEngine	99.2 %	1,172	10
QueryFormatter.java	99.4 %	161	1
QueryEngine.java	99.7 %	916	3
ProcessedOutputFromQE.java	94.1 %	95	6
msd.core	93.0 %	346	26
Article.java	100.0 %	94	0
Author.java	100.0 %	23	0
AuthorData.java	100.0 %	38	0
Conference.java	100.0 %	73	0
Committee.java	81.9 %	118	26
msd.user.inf	42.9 %	60	80
AuthorQuery.java	56.2 %	9	7
UserQuery.java	41.1 %	51	73
msd.front.end	93.5 %	1,548	107
ConnectMongoD.java	100.0 %	50	0
FrontEndAdapter.java	100.0 %	13	0
ReadXML.java	99.8 %	412	1
AuthorDataParser.java	96.8 %	306	10
MongoDataStore.java	95.5 %	465	22
CommitteeParser.java	89.3 %	302	36
FrontEndDriver.java	0.0 %	0	38
msd.user.inf.ui	0.0 %	0	4,201

JIRA TRENDS

- Issues created V/S Resolved

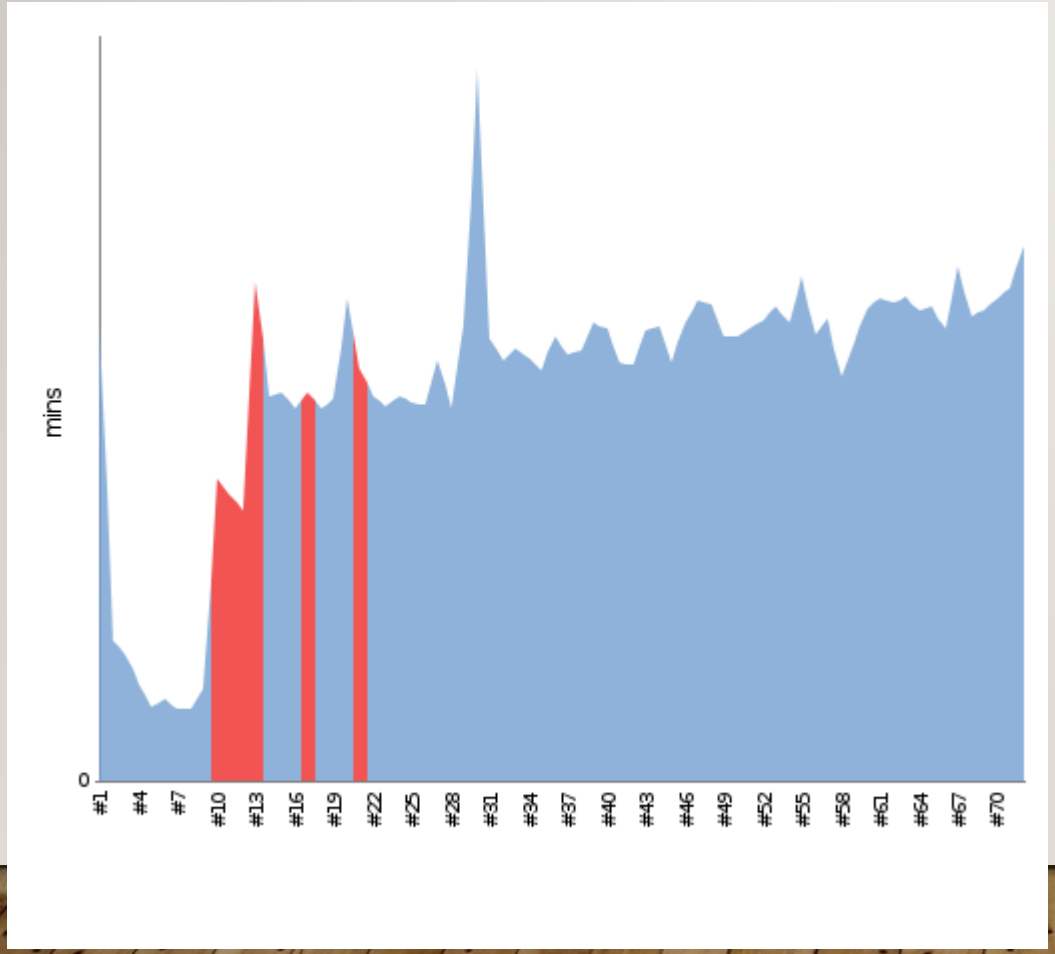


- Tickets To do V/S done



JENKINS TRENDS

- Build time trend



- Test Result Trend