

NOTICE!

- These materials are prepared only for the students enrolled in the course Distributed Software Development (DSD) at the Department of Computer Science and Engineering, University of Mälardalen, Västerås, Sweden and at the Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia (year 2010/2011).
- For all other purposes, authors' written permission is needed!
- The purpose of these materials is to help students in better understanding of lectures in DSD and not their replacement!

Distributed Software Development



10/9/2011



Beta Prototype Of Profile Analysis and Reconciliation Tool

Ejaz Ali & Robert Borošak

Contents

- Project Status
- Workload
- Other statistics
- Important events
- Project process
- Major achievements
- Server side test report
- Plans after beta
- Experiences
- Play ! time☺



Project Status

General Project Status	Fulfillment of Next Milestone
on track	on track



- Project is on track
- Added new features
- Ahead of schedule

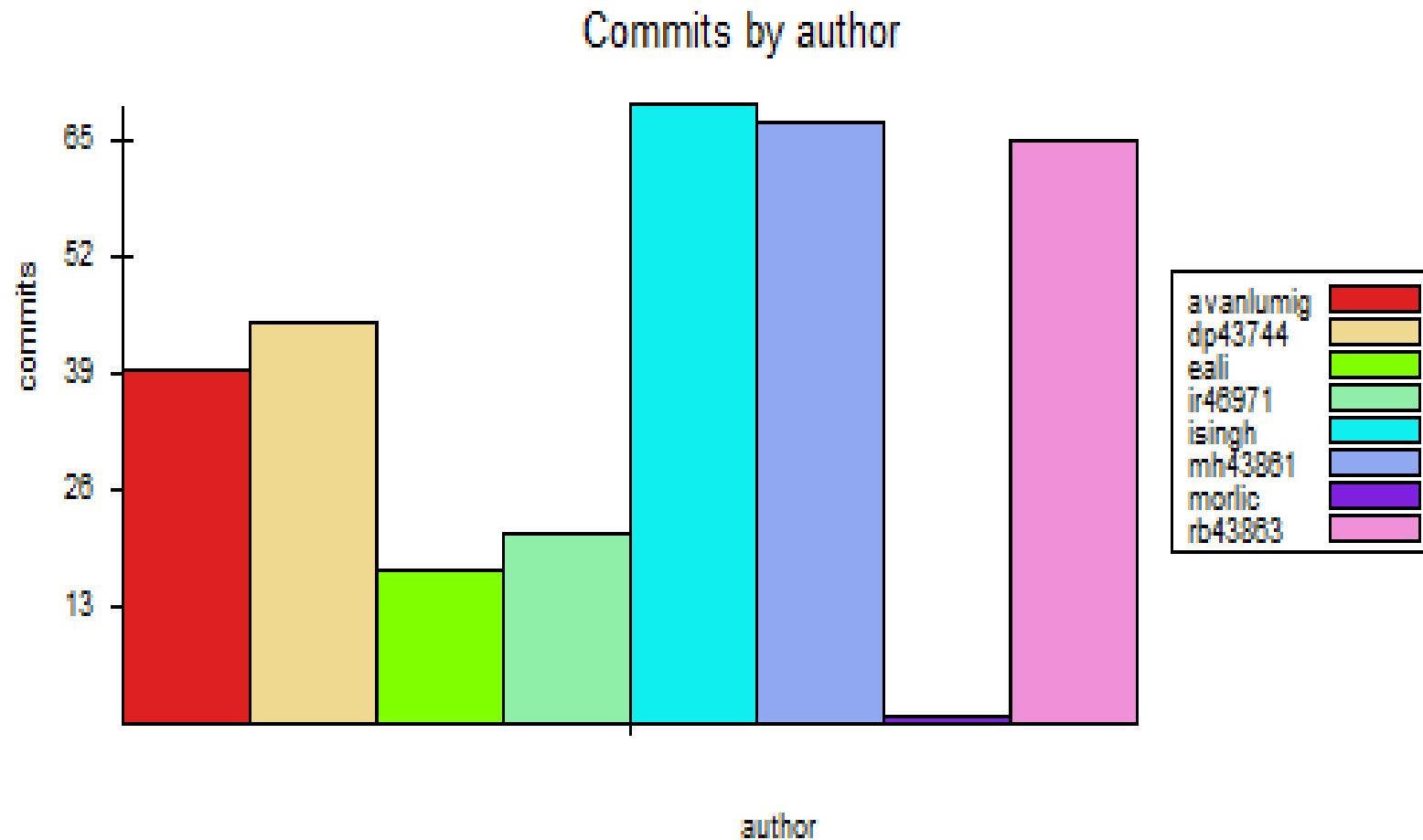
Since alpha

Identity	Status	Priority	Description	Source	Status
User Interface					
UI-1	I	1	Show subscriber profile and information.	CTM	Done
UI-2	I	1	Show data visualization for two subscribers.	CTM	Done
UI-3	I	1	Enable defining of following parameters for subscriber data visualization in the parameter selection frame: <ul style="list-style-type: none"> • Call type • Usage type • Data display color • Measure type • Aggregation (SUM or AVG) • Start and end date • Visualization generate buttons • Adding and removing parameters 	CTM	Done
Data Visualization					
DVIS-1	I	1	Show subscriber data defined by the user	CTM	Done
DVIS-2	I	1	Visualization dimensions: <ul style="list-style-type: none"> • Time of day (hours) • Day of week • Measure (number or duration of calls, rated amount, discounted amount) • Period (start and end dates) 	CTM	Done
DVIS-3	I	2	User interaction ability (i.e. when user moves a cursor over part of a graph a popup description window appears saying how many calls, sms, mms... are shown)	DEV	Done
Non-functional requirements					
NFR-1	I	2	Safety and security of all user information.	SYS	
NFR-2	I	1	Usability and an intuitive User interface.	DEV	
NFR-3	I	3	System should be able to provide service at all time.	DEV	
NFR-4	I	2	System should be responsive.	DEV	
NFR-5	I	1	Web application should be compatible with all new browser versions.	CTM	Done
NFR-6	I	1	Web application won't have internet access.	CTM	

Workload

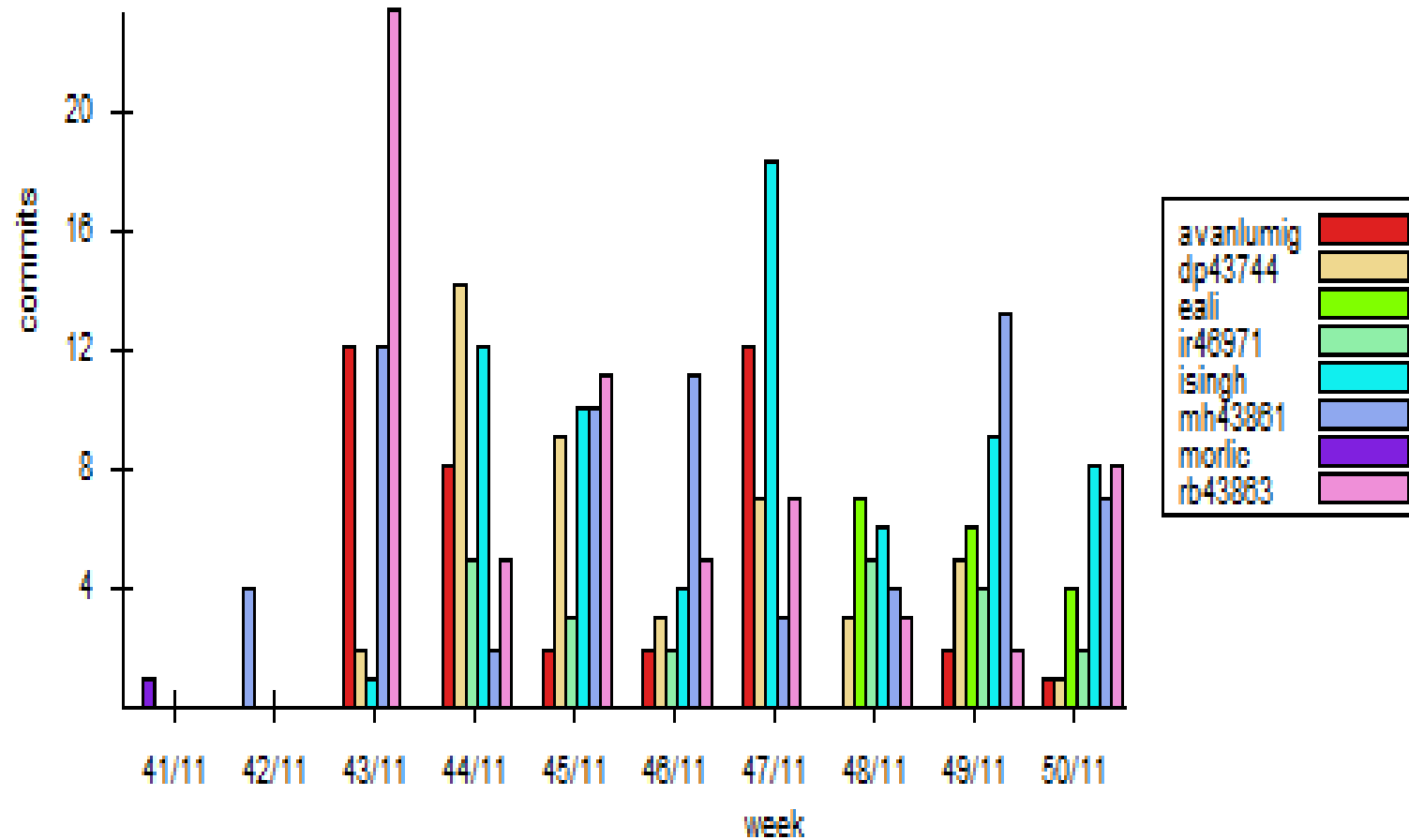
Name	W40	W41	W42	W43	W44	W45	W46	W47	W48	W49	Total
Inderjeet	14	17.5	20	19.5	10	13	20	11	15	15	153
Davor	15	19	16	18	20	15	6	18	13	11	151
Arno	2.5	3	17.5	13.5	3	5.5	14	4	6.5	6	69
Robert	8	8.5	12	10	13	11	8	12	13	8.5	104
Ejaz	7	3	7	8	2	3	2	17	15	21.5	85.5
Matija	9	7.5	13	11	12	11	7.5	10	15	14	110
Igor	4	10	10	24	18	8	1	18	14	7?	116
Total	58.5	68.5	95.5	104	78	66.5	58.5	90	68	83	788

Other Statistics



Continue...

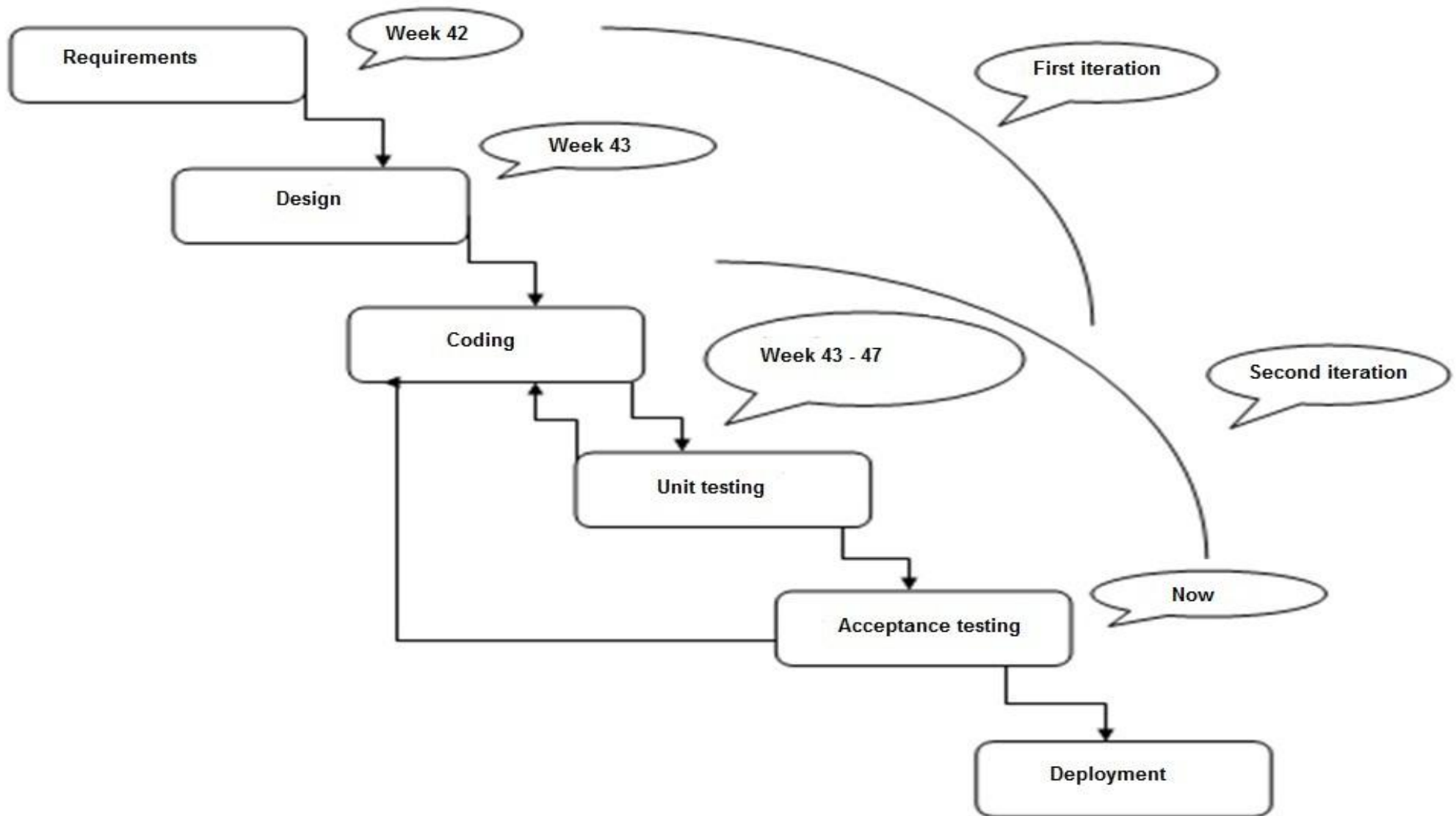
Commits by date



Important Events

- Feedback from customer regarding some features
- Problem in team solved
- Tests are done
- Data for one more day in database

Project process



Major achievement







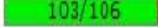
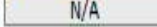
- First draft of acceptance test document is finished
- All major features are done
- Functional tests implemented

Server side test report

Packages

[All](#)
[controllers](#)
[dsd.partool](#)
[models](#)

Coverage Report - All Packages

Package /	# Classes	Line Coverage	Branch Coverage	Complexity
All Packages	14	92% 	85% 	1,663
controllers	7	92% 	84% 	5,231
dsd.partool	2	80% 	100% 	1,105
models	5	97% 	N/A 	1

Report generated by [Cobertura](#) 1.9.2 on 11.12.11. 15:27.

All Packages

Classes

[Application](#) (40%)
[CdrController](#) (96%)
[CdrInformation](#) (100%)
[CdrTypes](#) (100%)
[CdrTypesController](#) (69%)
[CdrUsage](#) (80%)
[ClientResponse](#) (100%)
[GsonExclusionStrategy](#) (100%)
[JsonController](#) (65%)
[JsonExclude](#) (N/A)
[Security](#) (85%)
[SubscriberInformation](#) (100%)
[User](#) (100%)
[VisualizationData](#) (69%)

Continue...

Packages



[All](#)
[controllers](#)
[dsd.partocl](#)
[models](#)

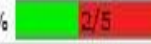
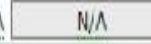

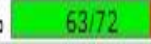


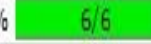


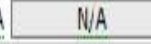
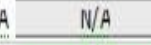
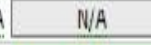


controllers

Classes

[Application](#) (40%)
[CdrController](#) (96%)
[CdrTypesController](#) (69%)
[GsonExclusionStrategy](#) (100%)
[JsonController](#) (66%)
[JsonExclude](#) (N/A)
[Security](#) (85%)

Coverage Report - controllers

Package /	# Classes	Line Coverage	Branch Coverage	Complexity
controllers	7	92% 	84% 	5,231

Classes In this Package /	Line Coverage	Branch Coverage	Complexity
Application	40% 	N/A 	1
CdrController	96% 	37% 	17
CdrTypesController	69% 	100% 	1,333
GsonExclusionStrategy	100% 	50% 	1,667
JsonController	66% 	N/A 	1
JsonExclude	N/A 	N/A 	0
Security	85% 	100% 	5

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Plans after Beta

- Finalizing project
- Code optimization
- Documents
 - Test report
 - Final project report
 - Final version of all documents
 - Other project related documents

Experiences

- Positive
 - Team bonding is very good
 - Helping each other out
- Negative
 - Missed supervisor (Marin Orlić)

Play ! Time





