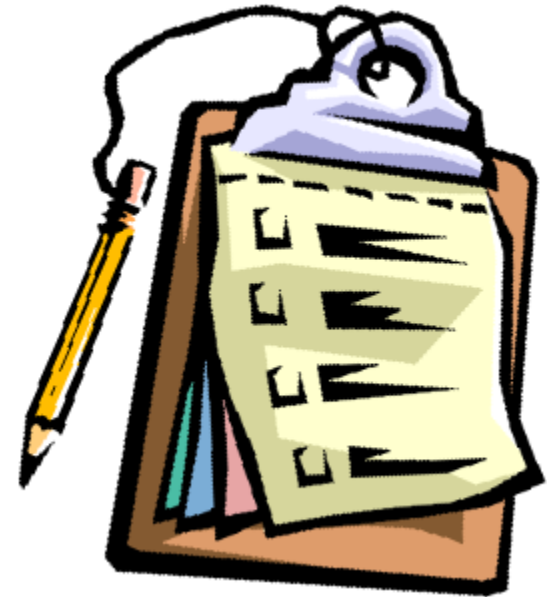




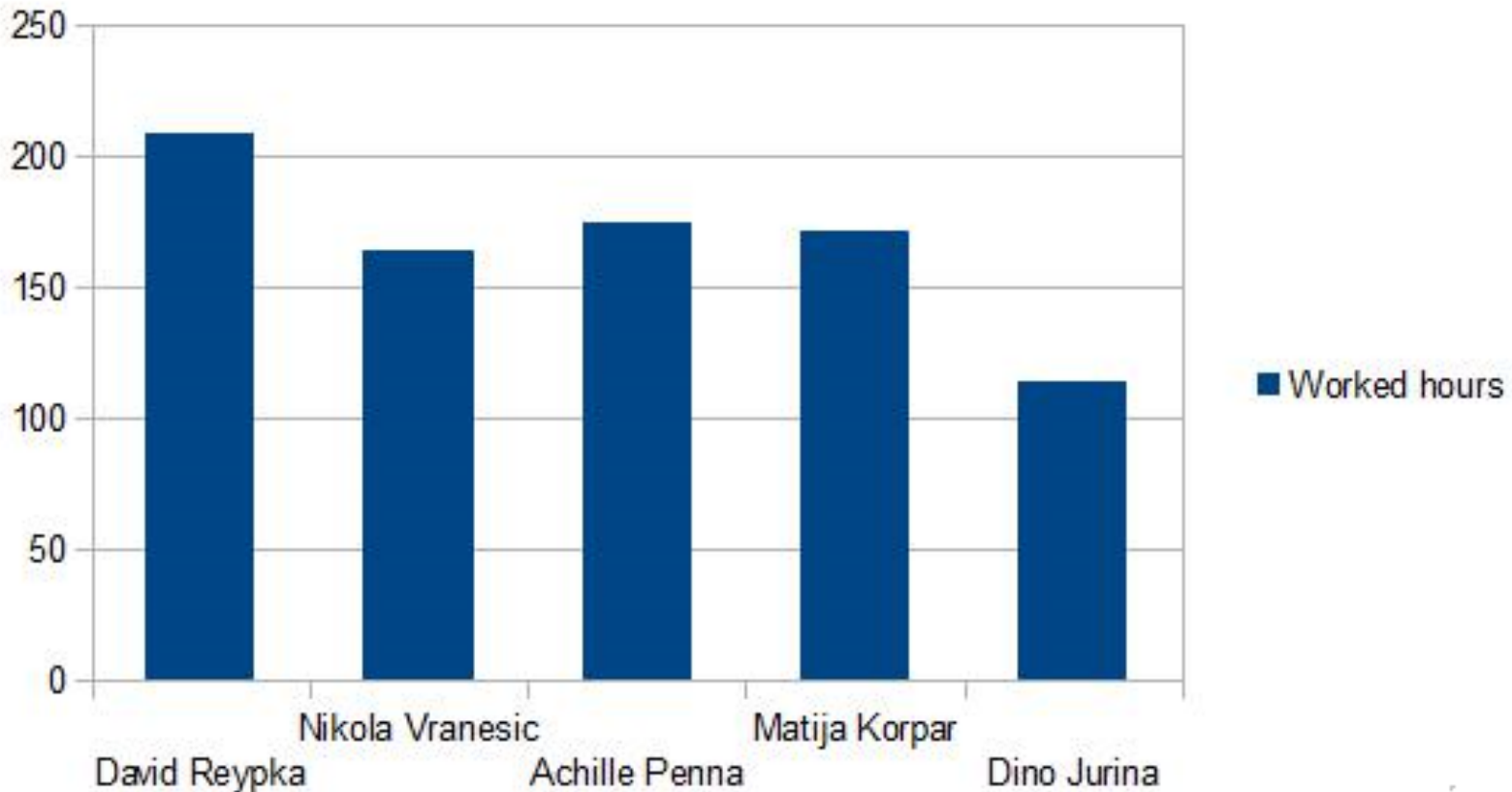
Final Presentation

Overview

- Worked hours
- Timeliness
- Resulting Architecture
- Requirements
- Communication
- Experience
- Work synchronization
- Live Presentation

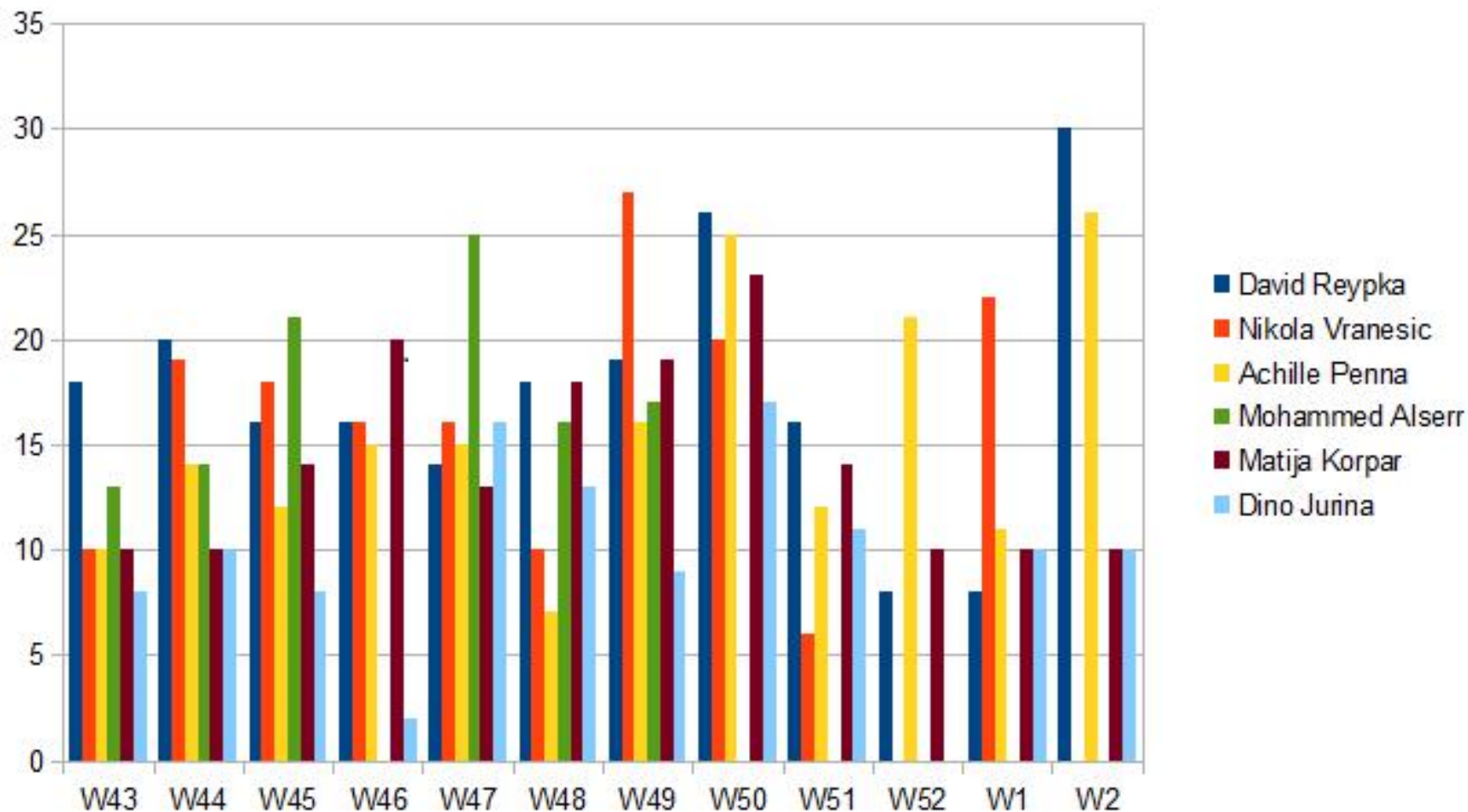


Worked hours - per member



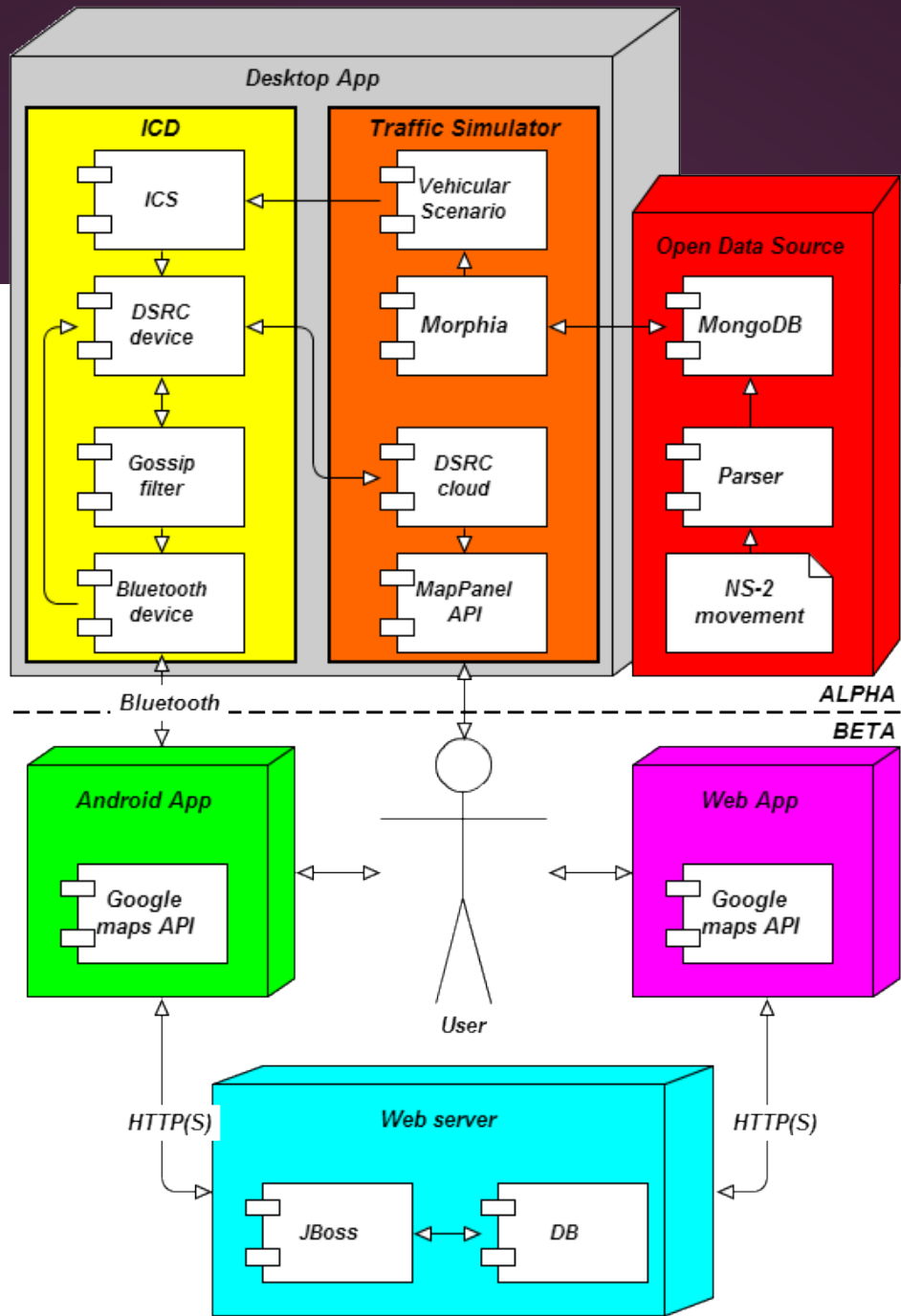
Total: 832 hours

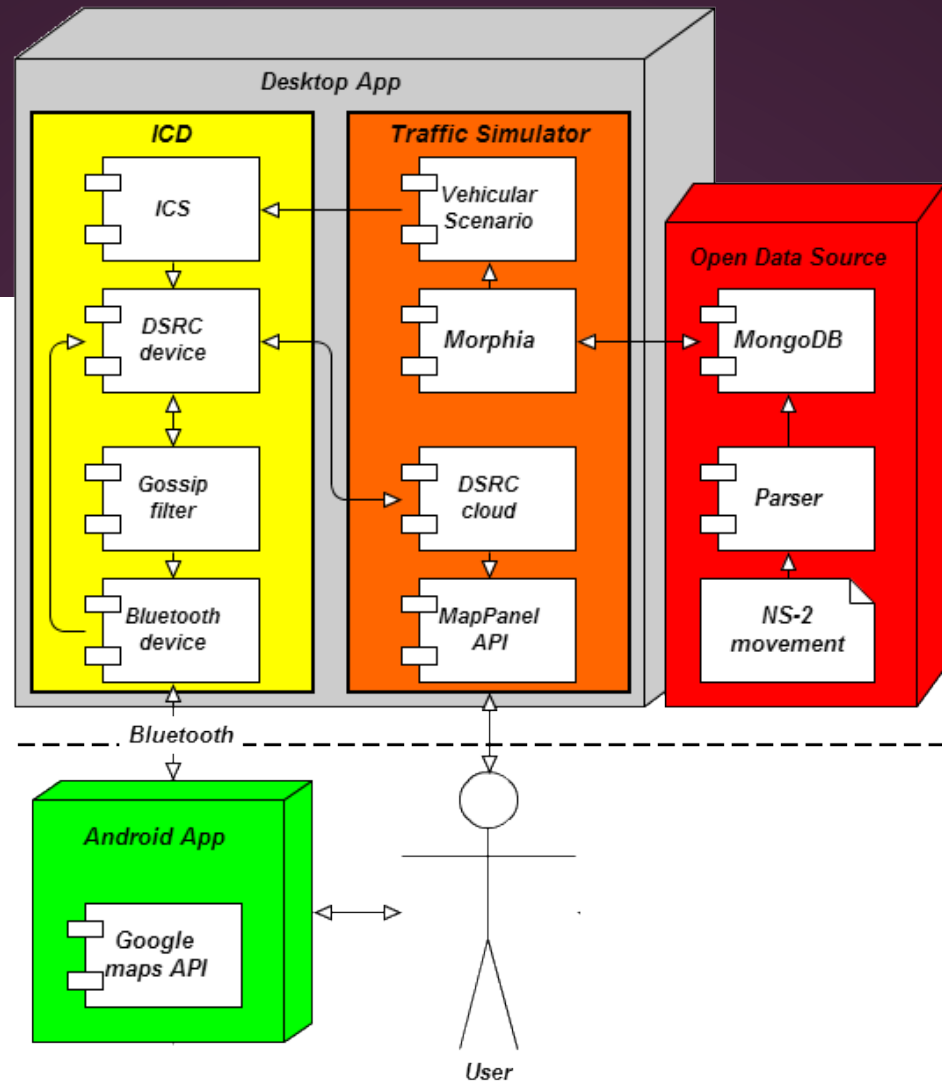
Worked hours - per week



Timeliness

1. Not every milestone reached on time
 - Acceptance test plan delayed
 - i. Reasons: Holiday
 - Beta version not all the planned features
 - Final version not all the planned features
2. Deliverables late:
 - Acceptance test plan
 - Weekly reports (some members late)





Plan changes

1. Not enough time to finish the web server and the web application
2. Unit testing not enough attention
 - incomplete parts hard to test (frequent changes)
3. No offline mode for Android application
 - Google Maps limitation

Requirements - Desktop

Identity	Status	Priority	Reference	Description	Source
				Open Data Source	
ODS-1	I	1		Parses data from NS-2 movement format files downloaded into CSV formatted data with new calculated data as well	ODS
				Traffic Simulator	
TS-1	I	1		Simulates vehicular movement (traffic behavior) based on input parameters from the Operator and retrieved data from the Open Data Source.	OPRT, ODS
TS-2	I	1		Simulates a DSRC cloud (gossip spreading) by forwarding messages to other cars that are in range of the message sender.	ICD
TS-3	I	2		Visualizes the traffic behavior on a map as a real time event.	TS
TS-4	I	2		Visualizes the gossip spreading on a map as a real time event.	
				ICD	
ICD-1	I	1		Creates Gossips out of data retrieved from the ODS simulating ICS's supplying the data.	TS
ICD-2	I	1		Sends messages to the DSRC cloud simulating broadcasting messages via DSRC.	ICD
ICD-3	I	1		Receives messages from the DSRC cloud simulating reception from other cars via DSRC.	TS
ICD-4	I	2		Sends messages to an connected Android device running the Car Gossip App via BT.	ICD
ICD-5	I	2		Receives messages from an connected Android device running the Car Gossip App via BT.	AApp
ICD-6	I	3		Filters received messages using a priority queue.	ICD

Requirements - Android

Android (Car Gossip) App					
AApp-1	I	2		Receives messages from a connected ICD via BT.	ICD
AApp-2	I	3		Visualizes traffic movements on a map.	AApp
AApp-3	A	3		Enables the Driver to send Alerts by pressing an icon button on the screen.	AApp
AApp-4	I	2		Sends messages to a connected ICD via BT.	DRV
AApp-5	I	4		Sends messages to Web Server via HTTP(S).	AApp
AApp-6	I	4		Receives messages from Web Server via HTTP(S).	WS

Requirements - Web

Web Server					
WS-1	I	4		Receives messages from an Android device running the Car Gossip App via HTTP(S).	AApp
WS-2	I	4		Stores the received messages into a DB which can be accessed via a public API.	DB
WS-3	A	5		Validates Alerts to prevent spamming.	WS
WS-4	I	4		Pushes messages to all Android devices running the Car Gossip App via HTTP(S).	WS
WS-5	A	5		Responds to Web App requests using Web services.	WApp
Web App					
WApp-1	A	5		Sends requests to Web Server to access and process stored traffic data.	WS

Communication

Email and Skype voice call not enough

- low information transfer outside of meetings
- most members no steady workflow
- deadline oriented work behavior

possible solutions:

- short meetings every or every second day
- better communication platform
- video chat to "meet" people
- improved subgroup communication

Experience - Positive



- Used and learnt different technologies
- Get a feel of distributed group work
- Experience the amount of documentation work
- Work on a challenging project

Experience - Negative



- Not all members worked equally
- Communication flow was not steady
(very low during holiday and after)
- Not enough collaboration
- No real group dynamic
- Not all the requirements fulfilled and unused code

Work synchronization



- synchronization between subgroups did not work out that well
- first Desktop waiting for Android
- after Android waiting for Web
- at times uneven work distribution

Live Demonstration



The End

Questions?

