

Welcome to Workshop for EDA 397

If you have not answered the survey yet, please do it now:

<https://www.surveymonkey.com/r/EDA397>

Workshop EDA 397

Agile Development Process

Teaching assistants:

Terese Besker

`besker@chalmers.se`

Magnus Ågren

`magnus.agren@chalmers.se`

**PhD students in the Software Engineering division at the
Department of Computer Science and Engineering.**

General information

- If you have any questions or comments send an e-mail to your workshop supervisor.
- We answer as quickly as we can.
- You can also visit our room 457 on the 4 th floor in house Jupiter.
- Tell us ALL your problems with the course, fellow students, etc. But do so as quickly as possible!
- Please find more information at the course homepage <https://github.com/oerich/EDA397>

Course representatives

- We would like to have 2 volunteers from Chalmers and 2 from GU
- Please mail Terese, if You are interested, otherwise we will randomly pick 4.
- 3 meetings

Groupings

All groups will be randomly generated. NO EXCEPTIONS!

To join a group, please enter your name and your email in survey:

<https://www.surveymonkey.com/r/EDA397>

The survey also contains information that is intended to study the entry level of the knowledge base in class, but will not be considered when creating the groups.

Assignment presentation

Assignment: to create an **Android** app, using a **agile** development approach

Agile Principles and Practices

Goal: Try them out in your project!

	Mandatory	Optional	Comment
Planning Game	1		<i>Make the most out of it. Get the Priorities based on your 0 effort estimation. Employ customer proxy</i>
Small Releases	1	0	
Metaphor	0	1	<i>Try it out! But we will not check whether it works.</i>
Simple Design	1	0	
Test-First	1	0	<i>But only where it makes sense. Have a good rationale!</i>
Refactoring	1	0	
Pair Programming	0,5	0,5	<i>Try it out. Don't necessarily do it all the time.</i>
Collective Codeownership			<i>Everybody should know about the code. Some parts more 0 than others</i>
Continuous Integration	1	0	
Sustainable Pace	1	0	<i>But also not too slow!</i>
Onsite Customer	0,5	0,5	<i>Have a customer proxy</i>
Coding standards	1	0	<i>Decide on them and try to have tool support</i>

A photograph of a Ford Fiesta ST1 rally car, driven by Laura Abby, on a dirt road. The car is white with green and black accents, featuring 'Stobart' and 'Vodka' branding. The driver's name 'Laura Abby' is visible on the front. The car is kicking up a cloud of dust. Three labels are overlaid on the image: 'Navigator' points to the co-driver's side window, 'Driver' points to the driver's side window, and 'Task' points to the front of the car with an arrow. The background shows a forest with autumn foliage.

Pair programming

Navigator

Driver

Task

http://upload.wikimedia.org/wikipedia/commons/b/bd/Jari-Matti_Latvala-2007-11-17-Dall-25-031.jpg

Pair programming

Navigator

Driver

Task

http://upload.wikimedia.org/wikipedia/commons/b/bd/Jari-Matti_Latvala-2007-11-17-Dall-02-031.jpg

Pair programming

Navigator

Driver

Task

http://upload.wikimedia.org/wikipedia/commons/b/bd/Jari-Matti_Latvala-2007-WRC-2007-09-15-D-11-02-031.jpg

The image shows a Ford Focus RS rally car, driven by Laura Abby, navigating a sharp turn on a gravel road. The car is white with green and black accents, featuring 'Stobart' and 'st1' branding. The driver's name 'Laura Abby' is visible on the front bumper. The background consists of a dense forest with autumn-colored trees. The text 'Pair programming' is overlaid at the top in a large, bold, white font. The word 'Navigator' is placed to the left of the car, 'Driver' to the right, and 'Task' with an arrow pointing towards the car's front-left corner. A URL is at the bottom right.

Pair programming

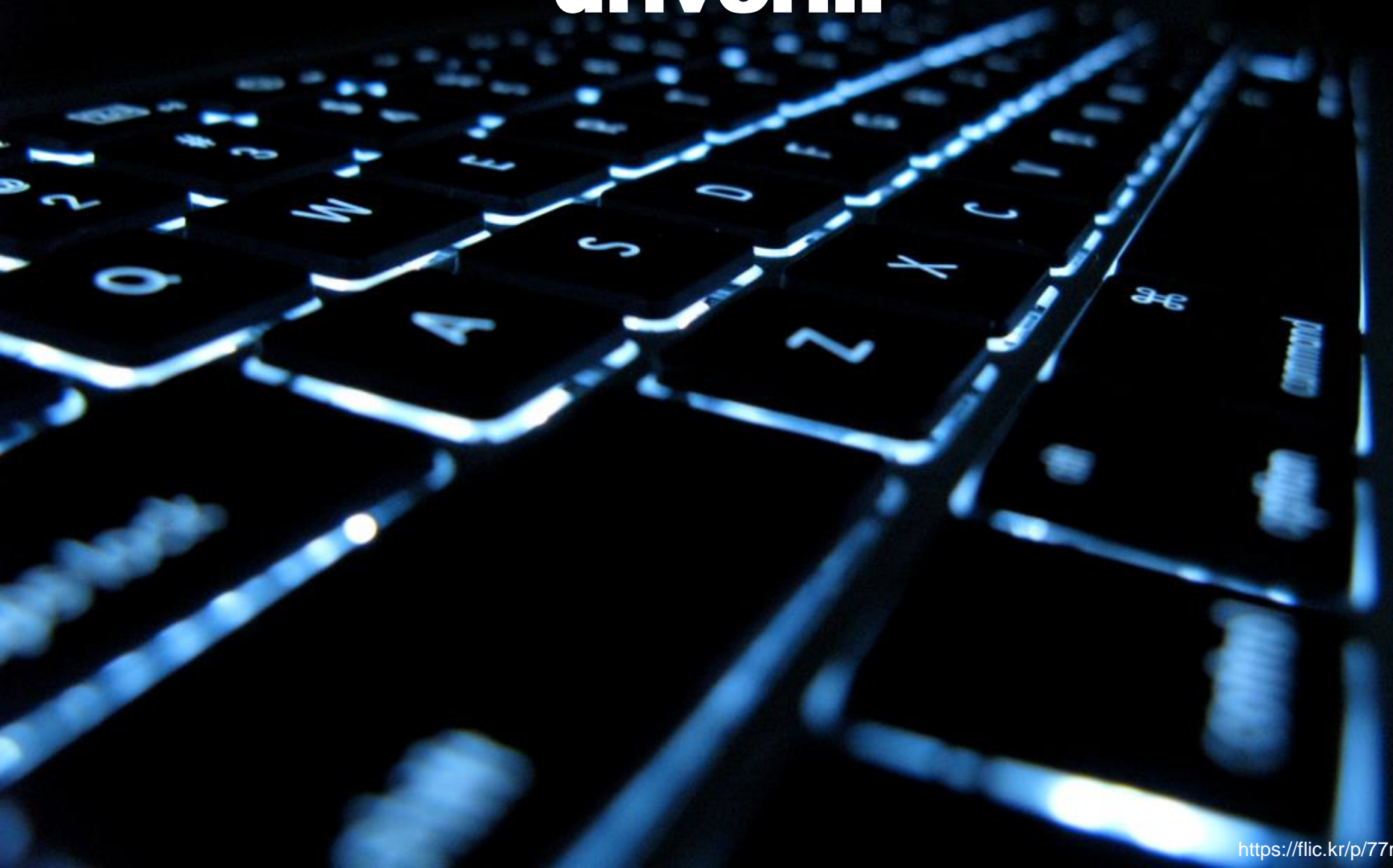
Navigator

Driver

Task

http://upload.wikimedia.org/wikipedia/commons/b/bd/Jari-Matti_Latvala-2007-WRC-2007-09-15-01.jpg

**We know the tools of the
driver...**



It is time to take
care of the
navigator...

14112 STAGE 1 A T A 3 CASTLE SINGLE STAGE 143 KMS - SEPTEMBER '96 1200 P. 1
NOTES START 1.50 FROM DNT. MID 1. YELLOW WALL

130 $\frac{1L/C_{bmp}}{1R}$ Up Mid 100 2L

60 R $\xrightarrow{\text{Mid}}$ Sm C \rightarrow ! Sm Jmp +

TURN $\frac{SqL}{2R Lg}$

Deceptive ! 4L Lg > / Dip

60 $\frac{3R/C_{bmp}}{DC}$

250 $\frac{2L/Sm C}{+ 5R}$ 80

NEXT 1km C BL 150

Task: Pair Programming Pacenotes

Rally



http://en.wikipedia.org/wiki/File:Peugeot_206_WRC.jpg

Primary

Know road conditions
Know position of other teams

Secondary

Prepare for track
Measure/analyze performance

Pair Programming



<http://www.mit.edu/blog/matematias/pair-research-low-fi-tools-for-collaboration-in-teams>

Primary

Know state of master branch
Know position of other team-members

Secondary

Support planning game
Measure/analyze velocity

The project contra the process

Use the project as a test bed for practicing agile practices

Trello



Trello is the free, flexible, and visual way to organize anything with anyone.

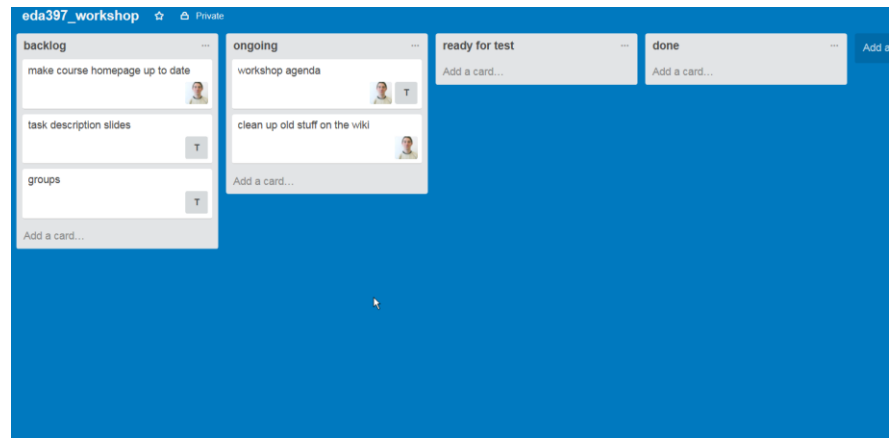
Trello is a web-based project management application

Create account at <https://trello.com/>

Board Name: EDA397_2016_GroupX

Invite *TereseBesker*, *ericknauss* and *magagr*

Start with Backlog, Ongoing, Ready for test and Done



Git and GitHub

Create account at <https://github.com/>

Project Name: EDA397_2016_GroupX

Invite *TereseBesker*, *Magagr* and *oerich* to your project



Other optional useful software

- Coding guidelines
- Other...

Please state any additional tools in your group wiki page

Technical Break

Pair up and brainstorm about possible features for the project.

Every Groups Wiki

Wiki page at <https://github.com/oerich/EDA397/wiki/GroupX>

- Up to 9 members per group,
- 10 groups
- In the wiki, each group enters:
 - Members names
 - Workshop supervisors:
 - Terese Besker for group 1-5
 - Magnus Ågren for group 6-10

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Other: ...

Group spokesperson (name and mail):

Write your supervisor an email, if you need email addresses of group members.

Group 1

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-1>

Members:

- Hui Shen
 - Thórhildur Hafsteinsdóttir
 - Fredrik Nilsson
 - Vidar Åsberg
 - Saulius Eidukas
-
- Workshop supervisor: Terese Besker
 - **Links to repos:**
- GitHub: <https://github.com/xxxxx>
- Trello: <https://trello.com/b/xxxxx>
- Group spokesperson:

Group 2

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-2>

Members:

- Anton Rose Gregory
 - Omar Thor Omarsson
 - Kyriakos Malamas
 - Peter Eliasson
 - Ívar Gautsson
-
- Workshop supervisor: Terese Besker

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 3

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-3>

Members:

- Sebastian Blomberg
- Yazen Alabady
- Kyriakos Malamas
- Mustafa Hussein

- Workshop supervisor: Terese Besker

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 4

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-4>

Members:

- Alexander Jaballah
- Wissam Alfreijat
- Johan Eriksson
- Olliver Mattsson

Workshop supervisor: Terese Besker

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 5

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-5>

Members:

- Hanna Matérne
- Gökçe Uzer
- Anton Lundén
- Martin Calleberg

Workshop supervisor: Terese Besker

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 6

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-6>

Members:

- Niklas Johansson Miglavs
- Wanzi Gu
- Sinan abdulwahhab
- Linus Hagvall

Workshop supervisor: Magnus Ågren

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 7

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-7>

Members:

- Niklas guslarnih@student.gu.se
- Hongxia Zhu
- Einkemmer Dominik
- Pálmi Þór Valgeirsson
-
- Workshop supervisor: Magnus Ågren

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 8

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-8>

Members:

- Sofia Edström
 - Jielin He
 - Jakob Csörgei Gustavsson
 - Isabelle FröLich
-
- Workshop supervisor: Magnus Ågren

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 9

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-9>

Members:

- Aðalsteinn Axelsson
- Tibor Salagvárdi
- michal musialik
- Doni Ramadhan

Workshop supervisor: Magnus Ågren

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Group 10

Wiki page at <https://github.com/oerich/EDA397/wiki/Group-10>

Members:

- Moses Msafiri
- Fredrik Holmdahl
- Michael Tran
- Danial Hosseini

Workshop supervisor: Magnus Ågren

Links to repos:

GitHub: <https://github.com/xxxxx>

Trello: <https://trello.com/b/xxxxx>

Group spokesperson:

Meet your group

Find the group you belong to and go to classrooms for setting up *environment*, *wiki pages* and decide whom to be the *spokesperson* for the group.

Available classrooms are:

- Group 1, 2, 3 meet in Jupiter 317
- Group 4, 5, 6 meet in Jupiter 321
- Group 7, 8, 9, 10 meet in Jupiter 322