

CYTECH MOBILE

www.cytechmobile.com
Science and Technology Park of Crete, Heraklion, Greece
Phone: +30 2810 314127 - Email: sales@cytechmobile.com

Software Dev

We craft software with passion in an agile way so we adopt to changing needs.

DevOps

We design the automated mechanisms to operate and maintain our software

Product Dev

We design and build our products based on customer needs following lean practices

who we are

Cytech develops mobile solutions that translate business needs into technology. We provide our clients with our expertise in the telecoms sector, to assist in creating and exploiting new business opportunities. We are a one-stop powerhouse, with complete, in-house solutions for mobile messaging, mobile marketing and mobile payments.

what we do

We build software products for telecoms focusing on quality and efficiency .

mCore

Modular software platform for Mobile Marketing, Messaging and Payments

ProSMS

Web SMS Software for SMEs in Greece and Romania

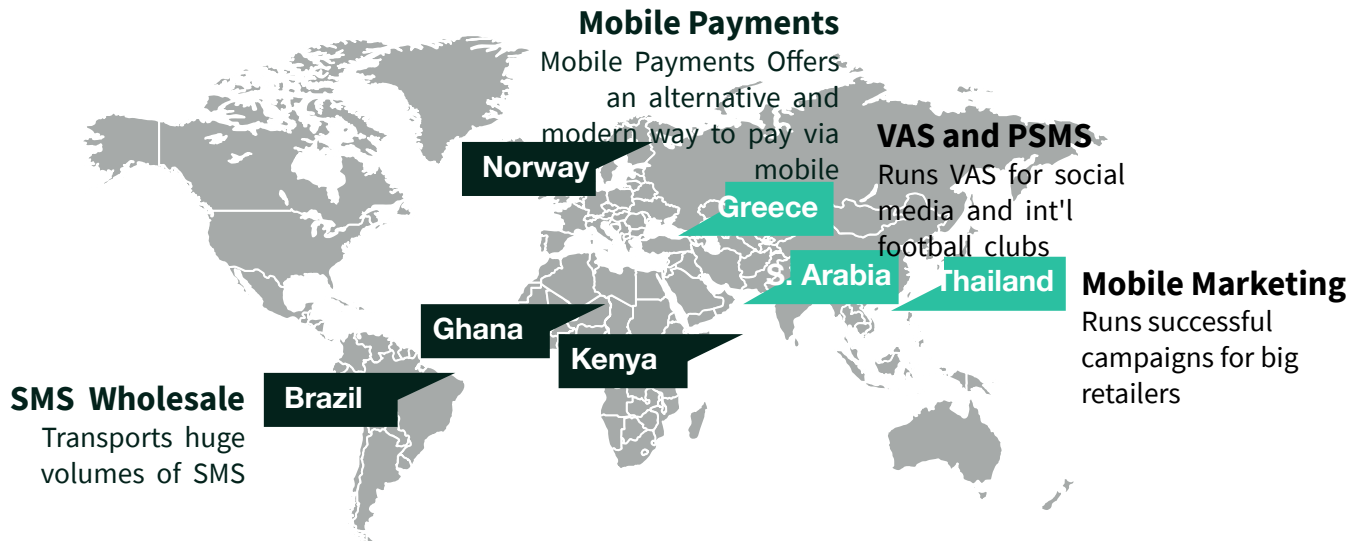
Dashboards

Business Intelligence and Analytics platform for Telecoms



What we achieved

We managed to expand to 15 countries with almost the same team size

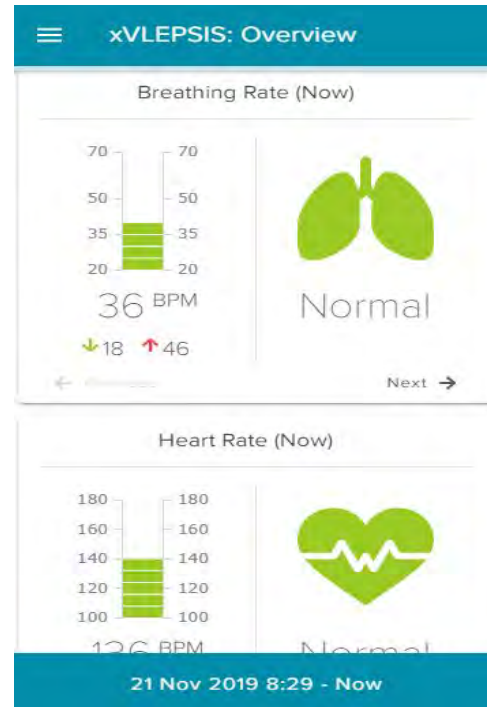
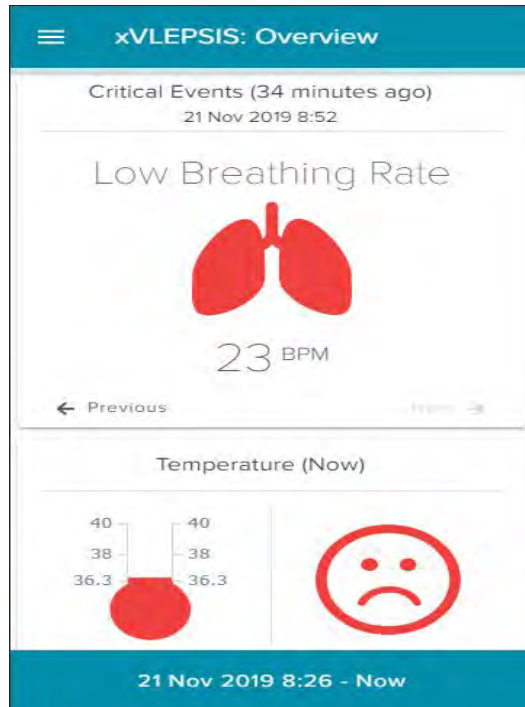




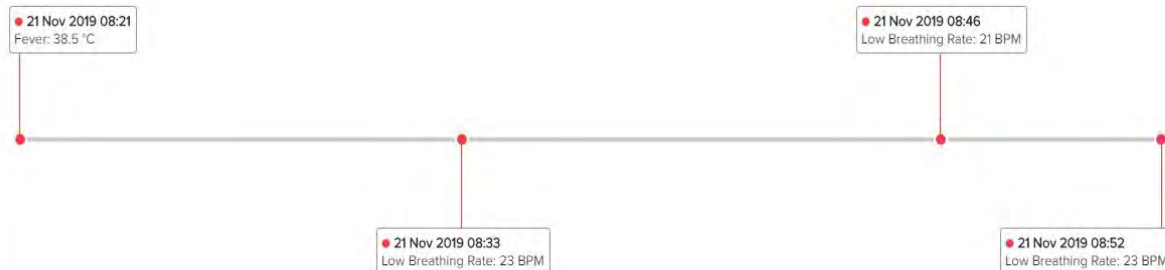
Latest Research Projects

xVlepsis

“Smart” Baby monitoring and alarming system for infants capable of detecting potentially pathological conditions by means of non-invasive signal acquisition from the infant bed (cradle)



Critical Events



Critical Events (32 minutes ago)
21 Nov 2019 8:52

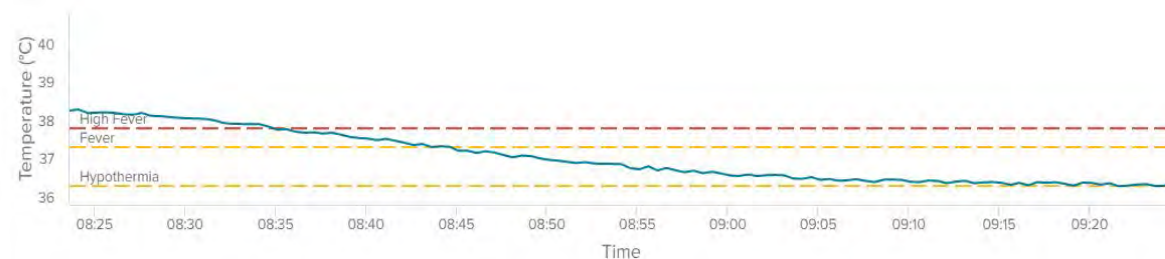
Low Breathing Rate



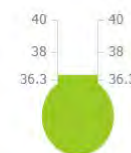
23 BPM

← Previous

Temperature



Temperature (Now)



36.6 °C

↓ 36.5 ↑ 38.0



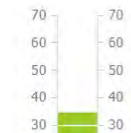
Normal

← Previous

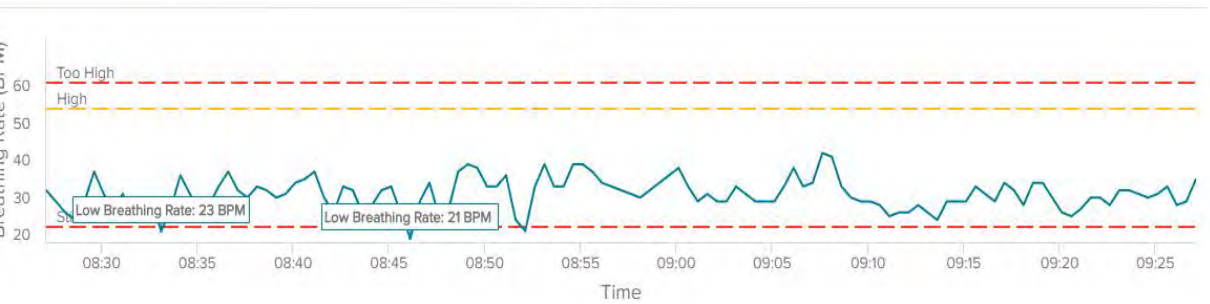
Breathing Rate



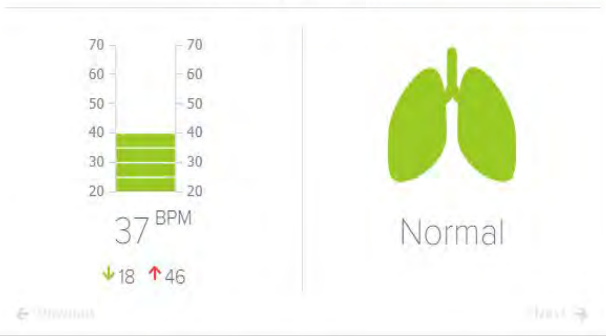
Breathing Rate (Now)



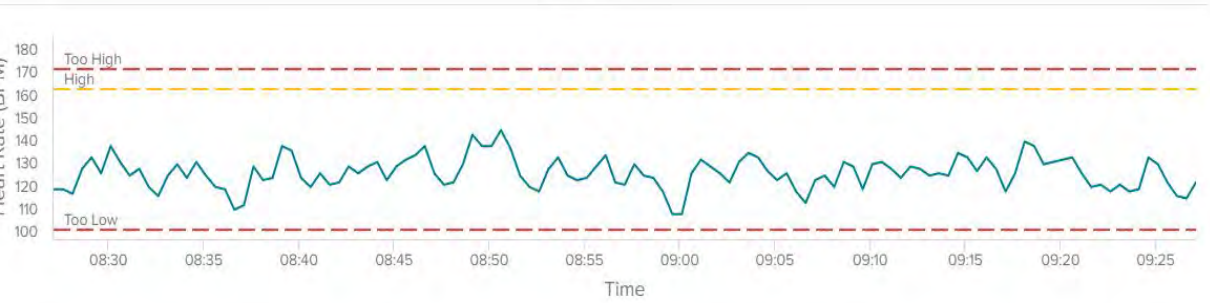
Breathing Rate



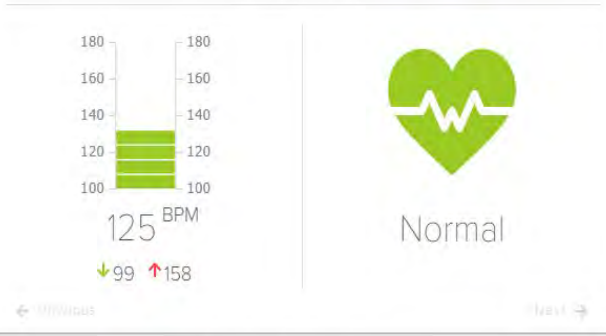
Breathing Rate (Now)



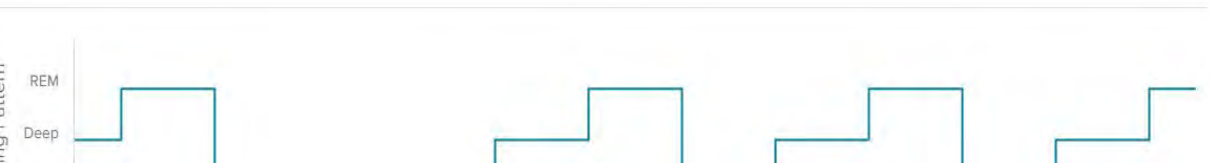
Heart Rate



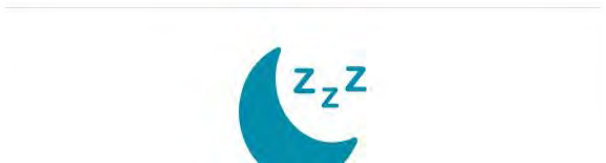
Heart Rate (Now)



Sleeping Pattern



Sleeping Pattern (Now)



Solve

Platform for Beach entrepreneurs and Users

Users:

- ❑ Find beaches
- ❑ book and pay sunbeds and umbrellas
- ❑ order through the app while at the beach and
- ❑ protect valuables.

Beach owners:

- ❑ access to information such as booking planning, orders from the clients,
- ❑ maximize the experience for the beach-goers,
- ❑ access to data to measure their performance and reevaluate their offering.



Welcome back! Sign in to Solve

Username

Password

[Forgot your password?](#)

LOG IN

Not a partner yet? Learn how Solve can transform your business!

CONTACT US

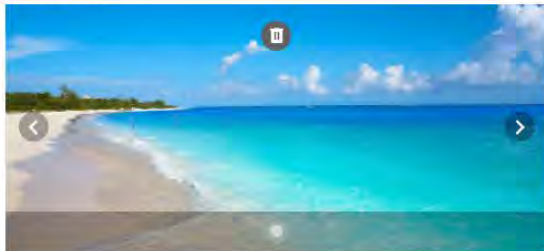
Property Profiles

SELECT A PROPERTY:

A

+ ADD NEW

IMAGE GALLERY



UPLOAD AN IMAGE

OPERATION RANGES

DELETE

From: 2019-11-01 To: 2020-01-17

S M T W T F S

From: 12:00 To: 16:59

ADD CLOSE RANGE

ADD NEW RANGE

RANGES REVIEW

BU DETAILS

Title

a

VAT

aa11

Address

a

Postal Code

a

Phone

345345345345

Email

Isifakis@cytech.gr

Description

Sans Serif Normal A A B I U G     

a

Usage and Cancellation Policy

Sans Serif Normal A A B I U G     

a

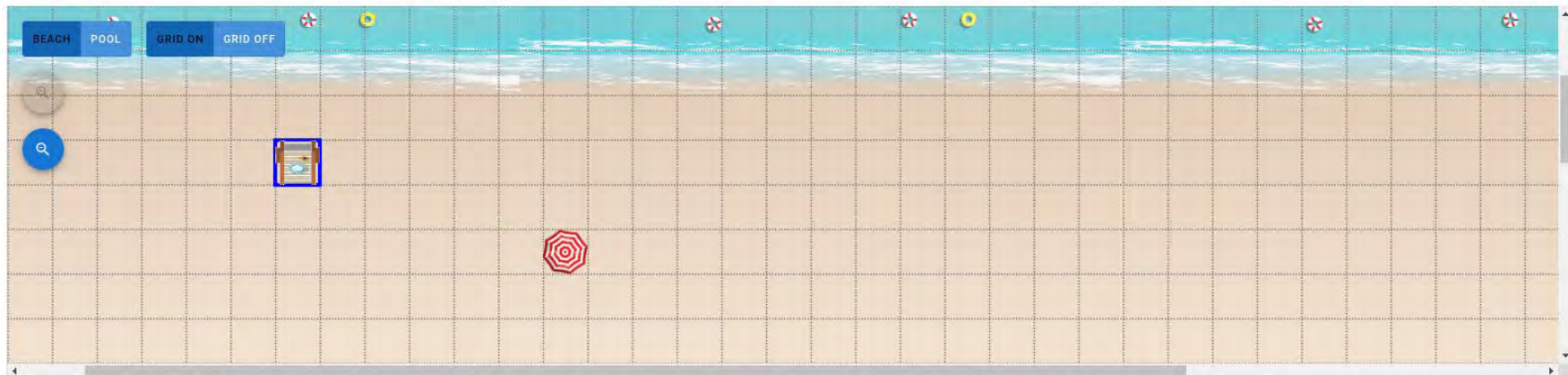
Facilities

Designer

SELECT A PROPERTY:

A

+ ADD NEW



FILE

SAVE

EDIT



DATA



ACTIONS

Select action

START ACTION

	ID	Online Booking	PRICE	Service Zone	Assigned To	Internal ID	Zone	Classification	Description
<input checked="" type="checkbox"/>	SB0000	Available	10	S1		77a5c51e-42f8-4385-838d-48f79950494e	Zone A	Normal	
<input type="checkbox"/>	UM0000	Available	5	S2		c36081f1-eb79-4a93-ba3a-d5109c1e8450	Zone B	VIP	
<input type="checkbox"/>	SB0001	Available	100	S3		a0598659-847f-42ef-98af-5df312eeadda	Zone C	VIP	



PROJECTS@CYTECH.GR



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LINKEDIN.COM/COMPANY/CYTECH-LTD

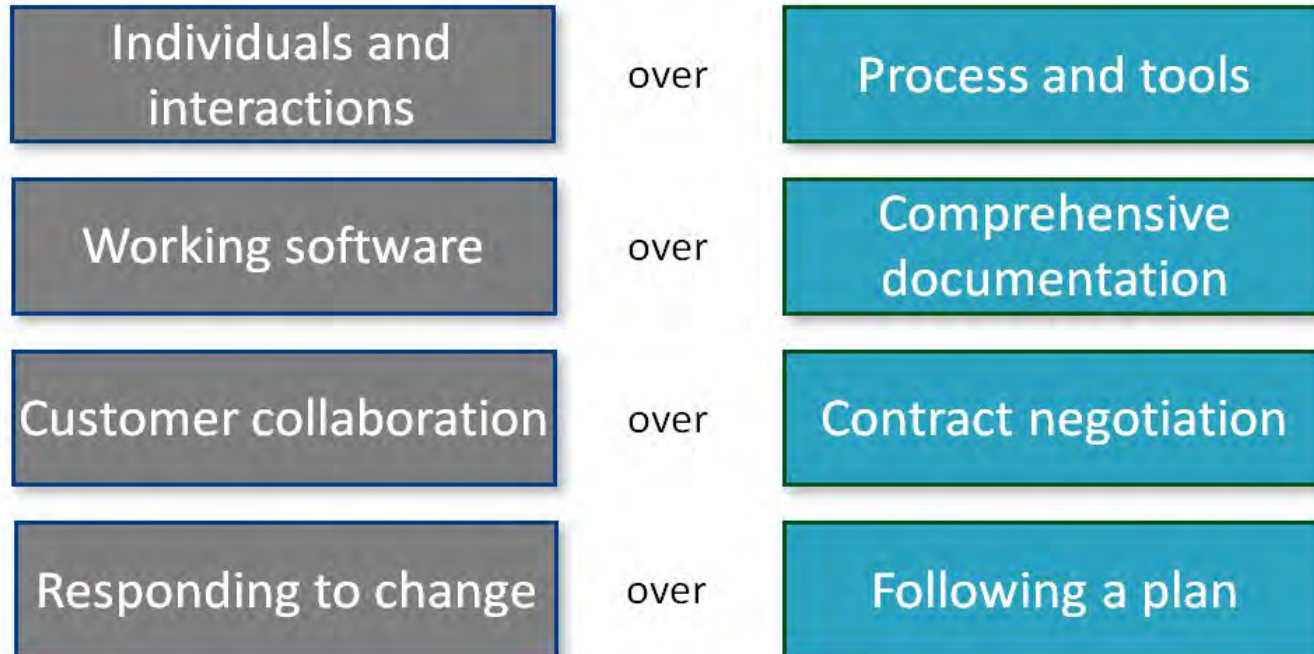


WWW.CYTECHMOBILE.COM



Introduction to Scrum

The Agile Manifesto - a statement of values





Scrum In 100 words

- ❑ Scrum is an agile process that allows us to focus on delivering the highest business value in the shortest time.
- ❑ It allows us to rapidly and repeatedly inspect actual working software (every two weeks to one month).
- ❑ The business sets the priorities. Teams self-organize to determine the best way to deliver the highest priority features.
- ❑ Every two weeks to a month anyone can see real working software and decide to release it as is or continue to enhance it for another sprint.




Transparency

Inspection

Adaptation



Scrum
pillars



Scrum has been used for

Developing software

Hardware

Embedded software

Networks of interacting function,

Autonomous vehicles


Schools

Government

Marketing

Managing the operation of organizations

Video game development



Scrum has been used by

Microsoft

Yahoo

Google

Electronic Arts

High Moon Studios

Lockheed Martin

Philips

Siemens

Nokia

Capital One

Intuit

Nielsen Media

BMC Software

First American Real Estate

John Deere

Lexis Nexis

Sabre

Salesforce.com

Time Warner

Turner Broadcasting

Oce

BBC

Scrum Characteristics

- ❑ Self-organizing teams
- ❑ Product progresses in a series of month-long “sprints”
- ❑ Requirements are captured as items in a list of “product backlog”
- ❑ No specific engineering practices prescribed
- ❑ Uses generative rules to create an agile environment for delivering projects
- ❑ One of the “agile processes”

Scrum framework

Roles

- Product owner
- ScrumMaster
- Team

Ceremonies

- Sprint planning
- Sprint review
- Sprint retrospective
- Daily scrum meeting

Artifacts

- Product backlog
- Sprint backlog



Product Owner

- ❑ Clearly expresses Product Backlog items;
- ❑ Orders the items in the Product Backlog to best achieve goals and missions;
- ❑ Optimizes the value of the work the Development Team performs;
- ❑ Ensures that the Product Backlog is visible, transparent, and clear to all, and shows what the Scrum Team will work on next; and,
- ❑ Ensures the Development Team understands items in the Product Backlog to the level needed.



Development Team

- ❑ Self-organizing - Ideally, no titles but rarely a possibility
- ❑ Cross-functional (Programmers, testers, user experience designers, etc.)
- ❑ No sub-teams in the Development Team
- ❑ Accountability belongs to the Development Team as a whole
- ❑ 3-9 people



Scrum Master

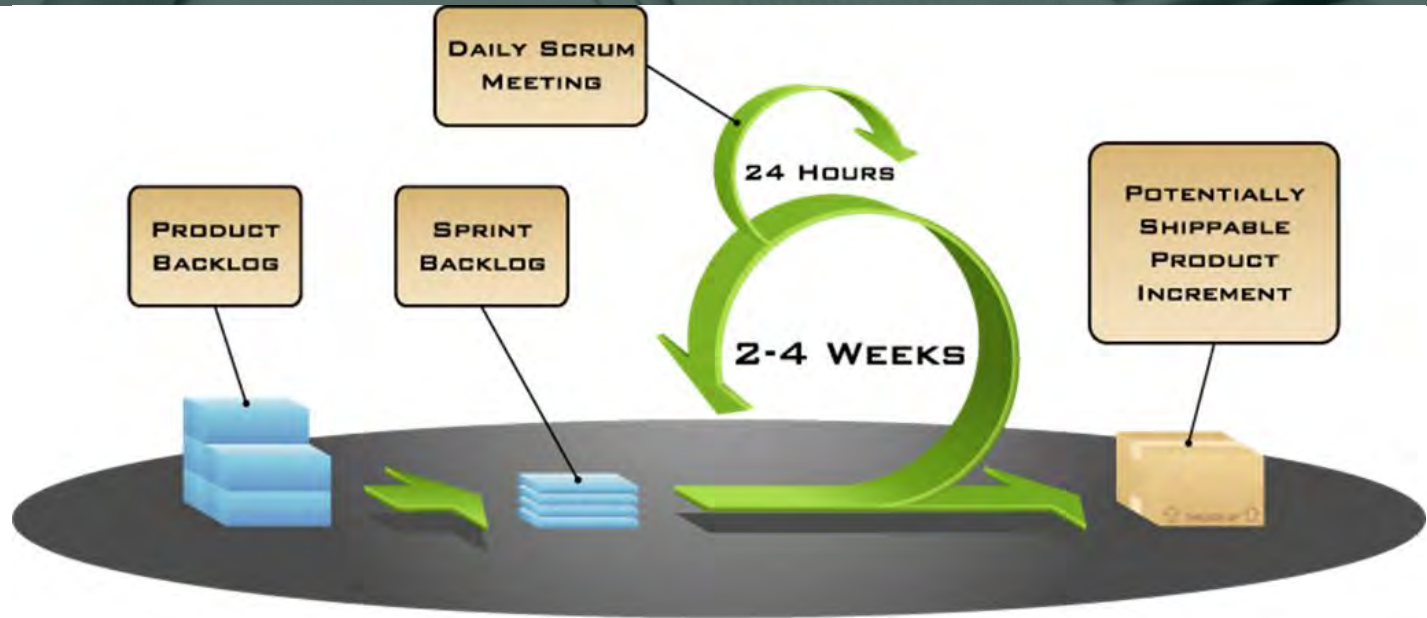
- ❑ Represents management to the project
- ❑ Responsible for enacting Scrum values and practices
- ❑ Removes impediments
- ❑ Ensures that the team is fully functional and productive
- ❑ Enables close cooperation across all roles and functions
- ❑ Shields the team from external interferences

- ❑ Scrum projects make progress in a series of “sprints”
- ❑ Typical duration is 2–4 weeks or a calendar month at most
- ❑ A constant duration leads to a better rhythm
- ❑ Product is designed, coded, and tested during the sprint



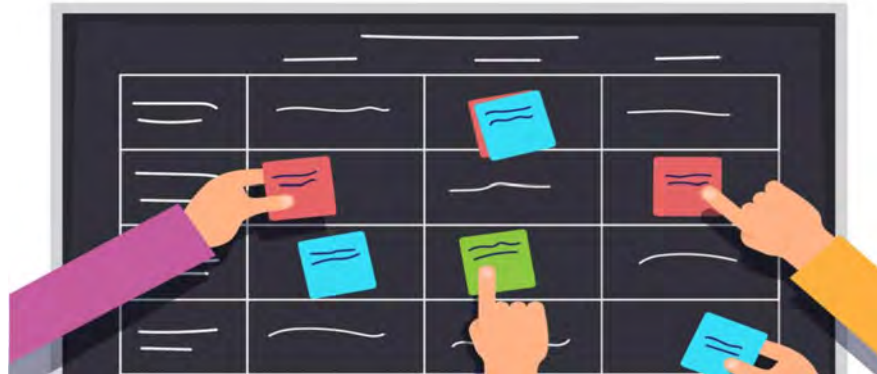
Sprint

Scrum



Sprint Planning

- ❑ Collaboratively, by the entire Scrum Team
- ❑ What can be delivered in the Increment resulting from the upcoming Sprint?
 - ❑ Team selects items from the product backlog they can commit to completing
 - ❑ Sprint backlog is created
- ❑ How will the work needed to deliver the Increment be achieved?



The daily scrum

- ❑ Daily
- ❑ 15-minutes
- ❑ Stand-up
- ❑ Not for problem solving
- ❑ Whole world is invited
- ❑ Only team members, ScrumMaster, product owner, can talk
- ❑ Helps avoid other unnecessary meetings



DAILY STAND-UP MEETING



Time Box (15 min)



Same place



Same time



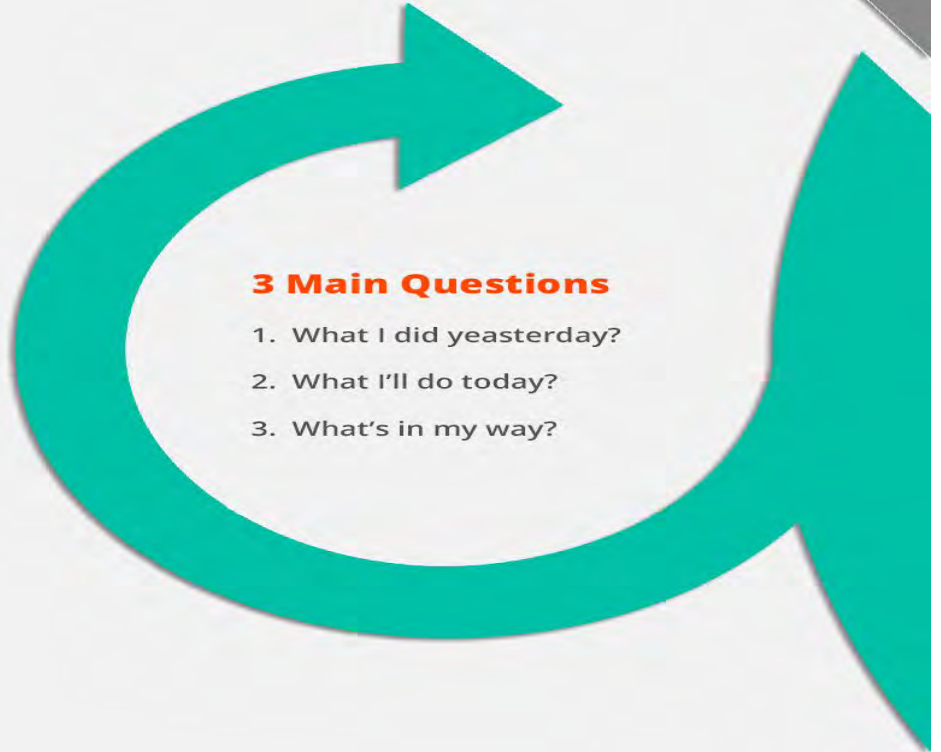
Facilitated by Scrum Master



Full team presence



Focus upon 3 questions



3 Main Questions

1. What I did yeasterday?
2. What I'll do today?
3. What's in my way?



Sprint Review

- ❑ Team presents what it accomplished during the sprint
- ❑ Typically takes the form of a demo of new features or underlying architecture
- ❑ Informal
 - ❑ 2-hour prep time rule
 - ❑ No slides
- ❑ Whole team participates
- ❑ Invite the world

Team inspects itself and creates a plan for improvements to be enacted during the next Sprint

A Typical Sprint Retrospective Model

What worked well?

What could be improved?

What will we commit to doing in the next Sprint?

Scrum Team members make actionable commitments



RETROSPECTIVE

MORE

LESS

SAME

PUZZLING

FRUSTRATING

ENJOYABLE

Sprint Retrospective

Product Backlog

- ❑ The requirements
- ❑ A list of all desired work on the project
- ❑ Ideally expressed such that each item has value to the users or customers of the product
- ❑ Prioritized by the product owner
- ❑ Reprioritized at the start of each sprint



Sprint Backlog

A short statement of what the work will be focused on during the sprint

Sprint Backlog			
Forecast	To-Do	In-Progress	Done
<div>Fix My Profile 5</div>		<div>aliquip</div>	<div>ipsum</div> <div>duis</div> <div>sit</div> <div>ipsum</div>
<div>Filter Service Tickets 8</div>	<div>dolor</div> <div>ipsum</div> <div>culpa</div>	<div>vale</div> <div>culpa</div>	<div>aliquip</div>
<div>Quick Tips 3</div>	<div>ipsum</div> <div>sit</div> <div>duis</div> <div>duis</div>		

Attribution

❏ www.mountaingoatsoftware.com/scrum



❏ www.scrumalliance.org





Scrum in Career 4.0



*Trello is the easy, free, flexible, and visual way
to manage your projects and organize anything*

File Home Insert Page Layout Formulas Data Review View Help Table Design

Clipboard

Font

Alignment

Number

Styles

Cell Styles

Cells

Editing

Ideas

Sensitivity

Share Comments

B6 As an organiser I would like to have an overview of who participates at which event so that the number of mentors, talent scouts and participants are compatible.

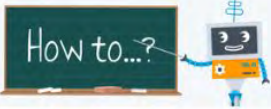
	A	B	C	D	E	F	G	H	I	J
1										
2										
3		User stories (Stand. 16.10.2019)								
4										
5		Organisatoren/ organisers	Ungarn	Griechenland	Bulgarien	Spanien	Italien	Summe		
6		As an organiser I would like to have an overview of who participates at which event so that the number of mentors, talent scouts and participants are compatible.	10	10	10	10	9	49		
7		As an organiser I would like my contact details to be available for every participant so that I can answer general questions.	10	10	10	10	8	48		
8		As an organiser I would like to have the contact details of all mentors and participants bundled so that I can contact them quickly and easy.	10	10	10	10	8	48		
9		As an organizer I would like to inform potential mentors about their responsibilities so that the mentors can decide at the beginning whether they are interested in the project	8	10	10	10	9	47		
10		As an organiser I would like to have the learning and teaching materials clear and easy to access for me so that I can provide them on the events.	8	10	10	10	7	45		
11		As an organiser I would like to see the expertise of mentors so that I can recommend them to participants seeking for help.	6	10	10	10	8	44		
12		As an organiser I would like to see what education mentors and talent scouts have so that I can be sure that everyone is sufficient qualified.	8	9	9	9	8	43		
13		As an organiser I would like to see which project ideas are already developed with the support of the mentors so that I can recommend them to participants seeking for help.	6	10	9	10	8	43		
14		As an organiser, I would like to be able to check whether the mentors have the necessary qualifications (expertise, time, etc.) so that the participants can benefit from them later	5	10	10	10	8	43		
15		As an organiser I would like to attract pupils for the potential analysis and the founder workshop so that they participate in the events and learn something.	10	8	7	8	frage war nicht klar	33		
16		47. As an organizer, I would like to be able to access the platform using my university account (login and password) (nur Italien)					10	10		
17		48. As an organizer, I would like all the members of my institution (students of the University) to be able to access the platform using the university accounts (login and password) (Nur Italien)					10	10		
18		37. Als Organisator möchte ich einen Überblick darüber haben, wer zu welcher Veranstaltung angemeldet						0		

Career 4.0 example

Personal Private AV KB PK R +2 Invite


Butler Show Menu

Resources




How Does This Board Work?

1



Ready

1



Done

1

New Task Template

General Assumptions and NFRs

+ Add another card

Product Backlog

Learning Groups Listing

0/14

+ Add another card

ToDo

Preview Organiser Profile

0/3

User Inbox

0/6

+ Add another card

Doing

+ Add a card

UAT ("Done")

Organiser Profile

3 2/6

Create a Super User account

2/5

Create Project Manager accounts

3 4/14

Create Organiser Accounts

0/14

+ Add another card

Accepted

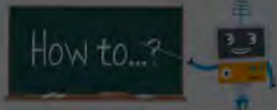
+ Add a card



Boards


Career 4.0 example

Resources



How Does This Board Work?

Ready



Done

New Task Template

General Assumptions and NFRs

+ Add another card

Product Backlog

Learning Groups Listing

+ Add another card

How Does This Board Work?

in list [Resources](#)

LABELS

S M L +

Description Edit

The board is split into separate columns, each containing the different work items.

Product Backlog

Contains all the items that we have included in our scope so far. New items should be added here, at the bottom of the list. Items do not need to be very refined here. They can be abstract, they can be missing information. They cannot be selected for work, unless they have been moved to the TODO column (see below).

TODO

Contains all the items that we know are ready to be worked on. See [@DefinitionOfReady](#)

Doing

Tasks we are currently working on.

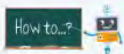
UAT

Tasks that conform to our [@DefinitionOfDone](#). Ready to be reviewed by client for User Acceptance Tests.

Accepted

Tasks that the client has approved as done.

Attachments



How-to-.jpg
Added Feb 10, 2017 at 4:10 PM - [Comment](#) - [Delete](#) - [Edit](#)
[Remove Cover](#)

SUGGESTED

Join

Feedback

ADD TO CARD

Members

Labels

Checklist

Due Date

Attachment

POWER-UPS

Get Power-Ups

ACTIONS

Move

Copy

Make Template

Watch

Archive

Share

Accepted

+ Add a card

profile

3 2/6

per User account

ect Manager accounts

4/14

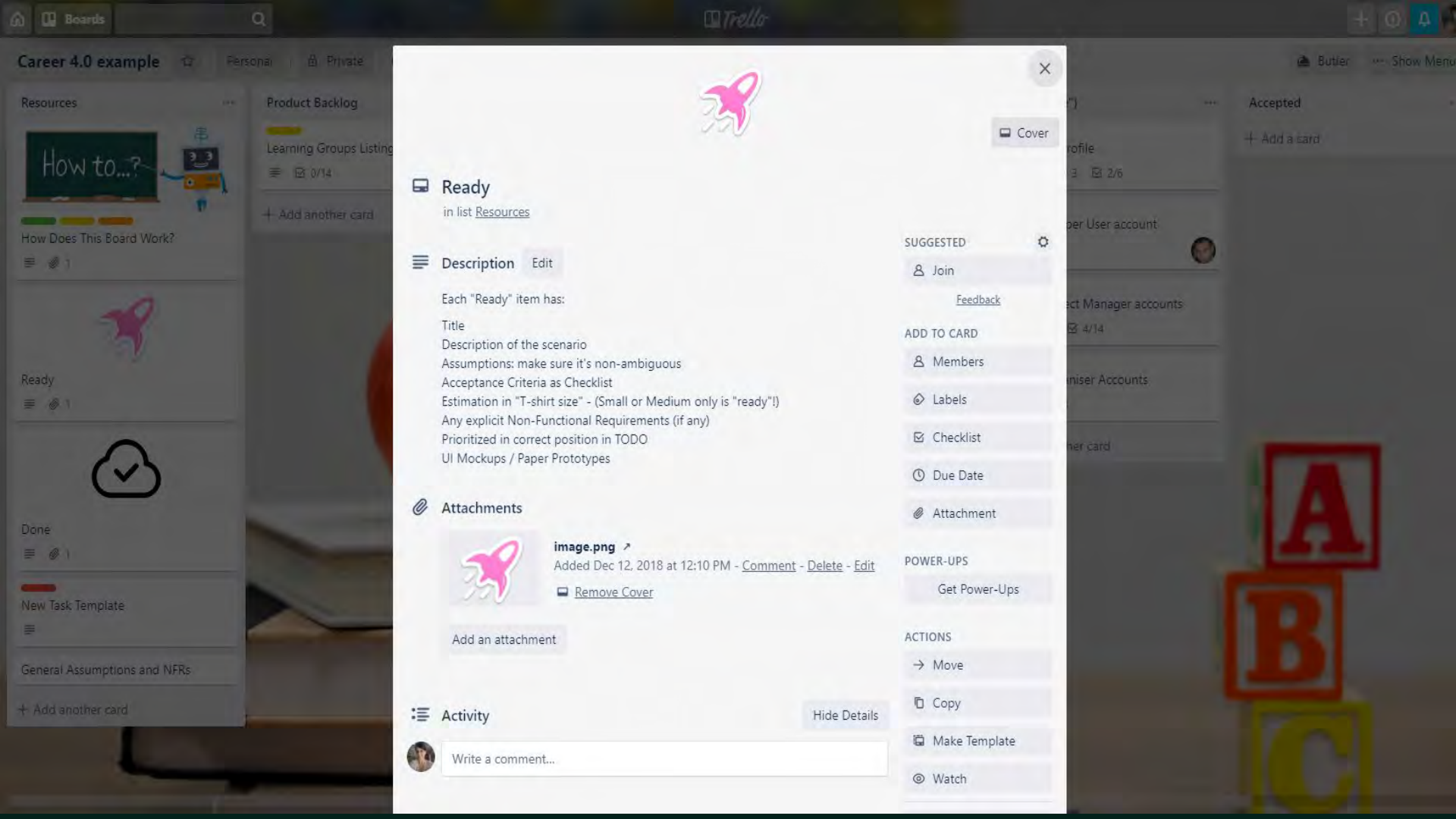
iniser Accounts

her Card

A

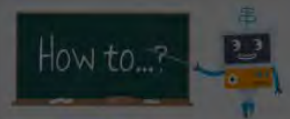
B

C



Career 4.0 example

Resources



How Does This Board Work?

1

Ready

1

Done

1

New Task Template

1

General Assumptions and NFRs

+ Add another card

Personal Private

Product Backlog

Learning Groups Listing

0/14

+ Add another card

Ready

in list [Resources](#)

Description Edit

Each "Ready" item has:

Title

Description of the scenario

Assumptions: make sure it's non-ambiguous

Acceptance Criteria as Checklist

Estimation in "T-shirt size" - (Small or Medium only is "ready"!)

Any explicit Non-Functional Requirements (if any)

Prioritized in correct position in TODO

UI Mockups / Paper Prototypes

Attachments



image.png

Added Dec 12, 2018 at 12:10 PM - [Comment](#) - [Delete](#) - [Edit](#)

[Remove Cover](#)

Add an attachment

Activity

Hide Details



Write a comment...

SUGGESTED

[Join](#)

[Feedback](#)

ADD TO CARD

[Members](#)

[Labels](#)

[Checklist](#)

[Due Date](#)

[Attachment](#)

POWER-UPS

[Get Power-Ups](#)

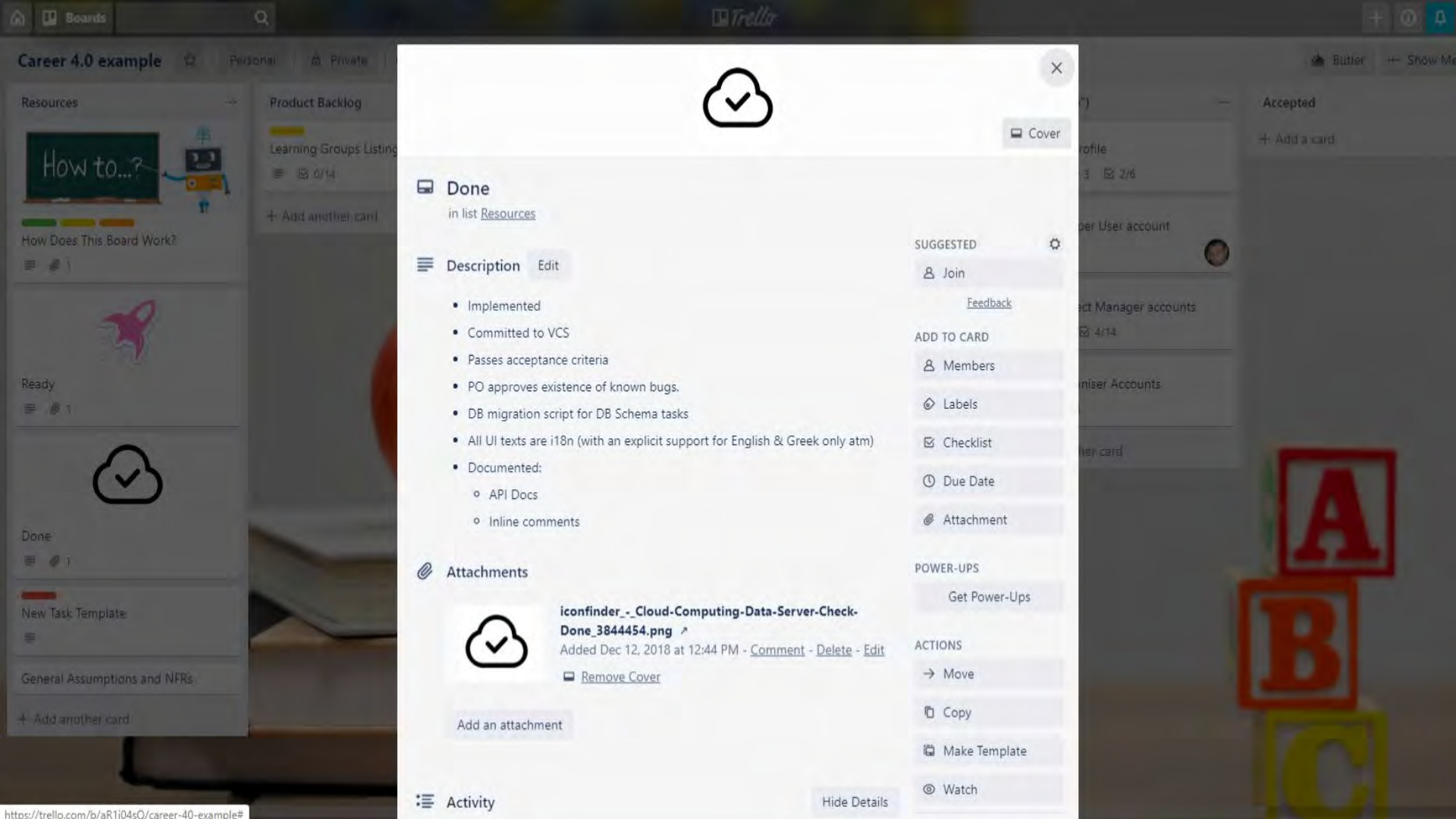
ACTIONS

[Move](#)

[Copy](#)

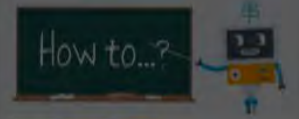
[Make Template](#)

[Watch](#)



Career 4.0 example

Resources



How Does This Board Work?

1



Ready

1



Done

1

New Task Template

1

General Assumptions and NFRs

+ Add another card

Product Backlog

Learning Groups Listing

0/14

+ Add another card



Cover

Done

in list [Resources](#)

Description [Edit](#)

- Implemented
- Committed to VCS
- Passes acceptance criteria
- PO approves existence of known bugs.
- DB migration script for DB Schema tasks
- All UI texts are i18n (with an explicit support for English & Greek only atm)
- Documented:
 - API Docs
 - Inline comments

Attachments



iconfinder - _Cloud-Computing-Data-Server-Check-Done_3844454.png ↗

Added Dec 12, 2018 at 12:44 PM - [Comment](#) - [Delete](#) - [Edit](#)

[Remove Cover](#)

Add an attachment

SUGGESTED



Join

[Feedback](#)

ADD TO CARD

Members

Labels

Checklist

Due Date

Attachment

POWER-UPS

[Get Power-Ups](#)

ACTIONS

Move

Copy

Make Template

Watch

Activity

[Hide Details](#)

Boards

Career 4.0 example

Resources

Product Backlog

Learning Groups Listing

0/14

Add another card

How to...?

How Does This Board Work?

Ready

Done

New Task Template

General Assumptions and NFRs

Add another card

Create Project Manager accounts

in list UAT ("Done")

LABELS

M +

Description Edit

As a Super User I want to be able to create, delete or edit Project Manager Accounts

Assumptions

0%

☐ I am logged in into the platform as a Super User

Add an item

Acceptance Criteria

0%

☐ Create a new Project Manager account by using the creation form

☐ Check that the account appeared in the list of the available Project Manager accounts

☐ Click to edit the newly created Project Manager account and change its name

☐ Check the Project Manager account now is listed with their new name

☐ Login as the newly created Project Manager account to check that it is active and has access to the platform.

☐ Click to delete the Project Manager account

☐ Check that the Project Manager account has been disappeared from the listing page

☐ Try to login as the deleted Project Manager account and check that you

SUGGESTED

Join

Feedback

ADD TO CARD

Members

Labels

Checklist

Due Date

Attachment

Cover

POWER-UPS

Get Power-Ups

ACTIONS

Move

Copy

Make Template

Watch

Archive

Share

Accepted

Add a card

profile

2/6

per User account

ect Manager accounts

4/14

iniser Accounts

ther card

A

B

C

Home

Boards

Search

Career 4.0 example

Personas

Private

Resources

Product Backlog

How to...?

How Does This Board Work?

Ready

New Task Template

General Assumptions and NFRs

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0/14

Add another card

How to...?

How Does This Board Work?

Ready

New Task Template

General Assumptions and NFRs

Product Backlog

Learning Groups Listing

0/14

Add another card

☒ Non-Functional Requirements

Delete

0%

☐ The time to store a new Project Manager account after the form submission must not take more than a couple of seconds.

Add an item

☒ DB Migration Considerations

Delete

0%

☐

Add an item

☒ Tasks

Hide completed items

Delete

100%

☒ Create form for creating or editing a Project Manager account

☒ Create a page that lists all Project Manager accounts I have created.

☒ Create a button for deleting one or more Project Manager accounts

☒ Send a verification email to the owner of the account to verify their email address.

Add an item

Activity

Hide Details

Write a comment...

Themis Dakanalis

Nov 8 at 12:19 AM

Themis Dakanalis moved this card from Doing to UAT ("Done")

Themis Dakanalis

Nov 8 at 12:19 AM

Themis Dakanalis completed Send a verification email to the owner of the account to verify their email address, on this card

Themis Dakanalis

Nov 8 at 12:19 AM

Themis Dakanalis completed Create a page that lists all Project Manager accounts

Butler

Show Menu

Accepted

Add a card

profile

2/6

per User account

Project Manager accounts

4/14

Miniser Accounts

ther card

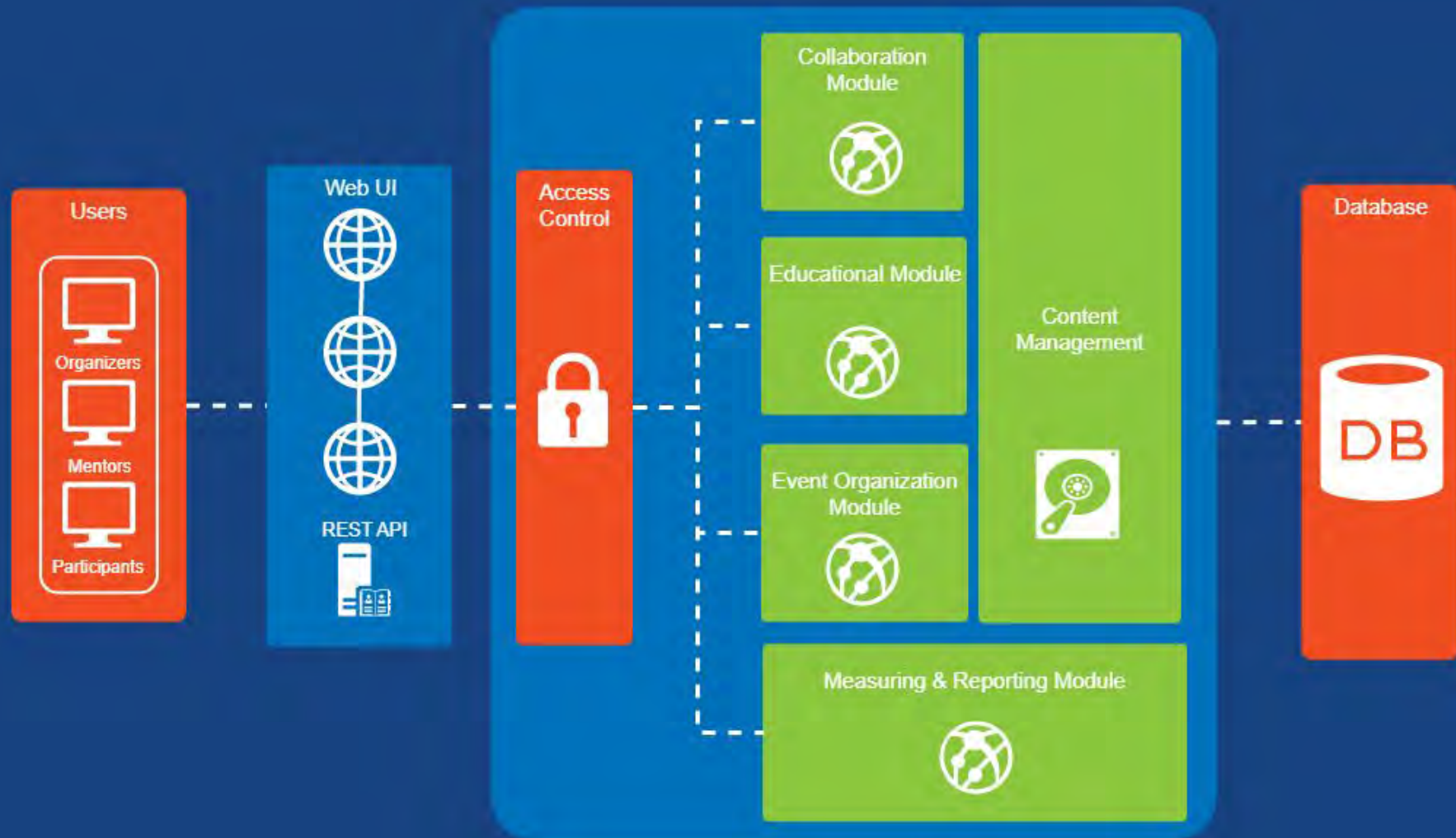
A

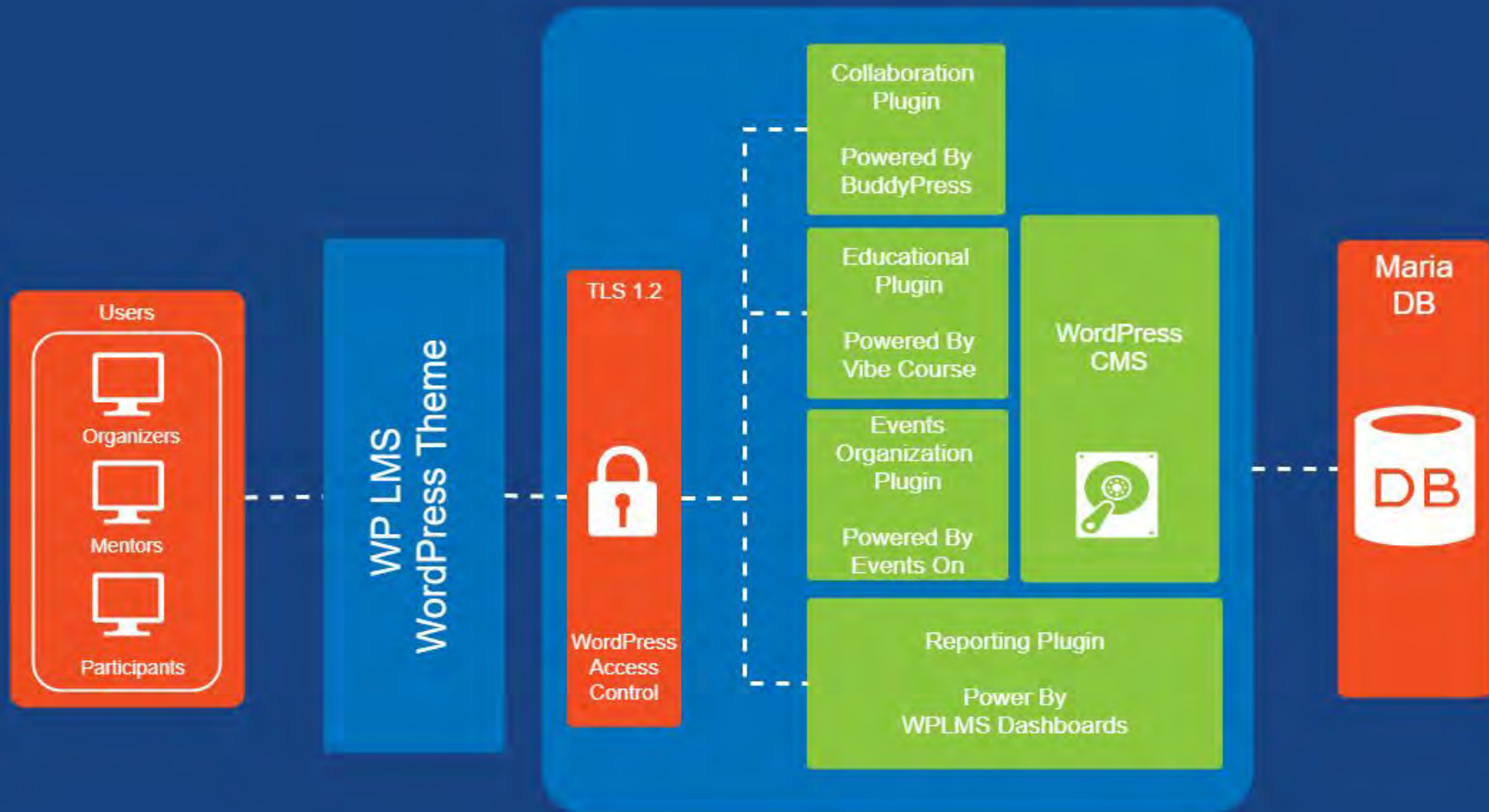
B

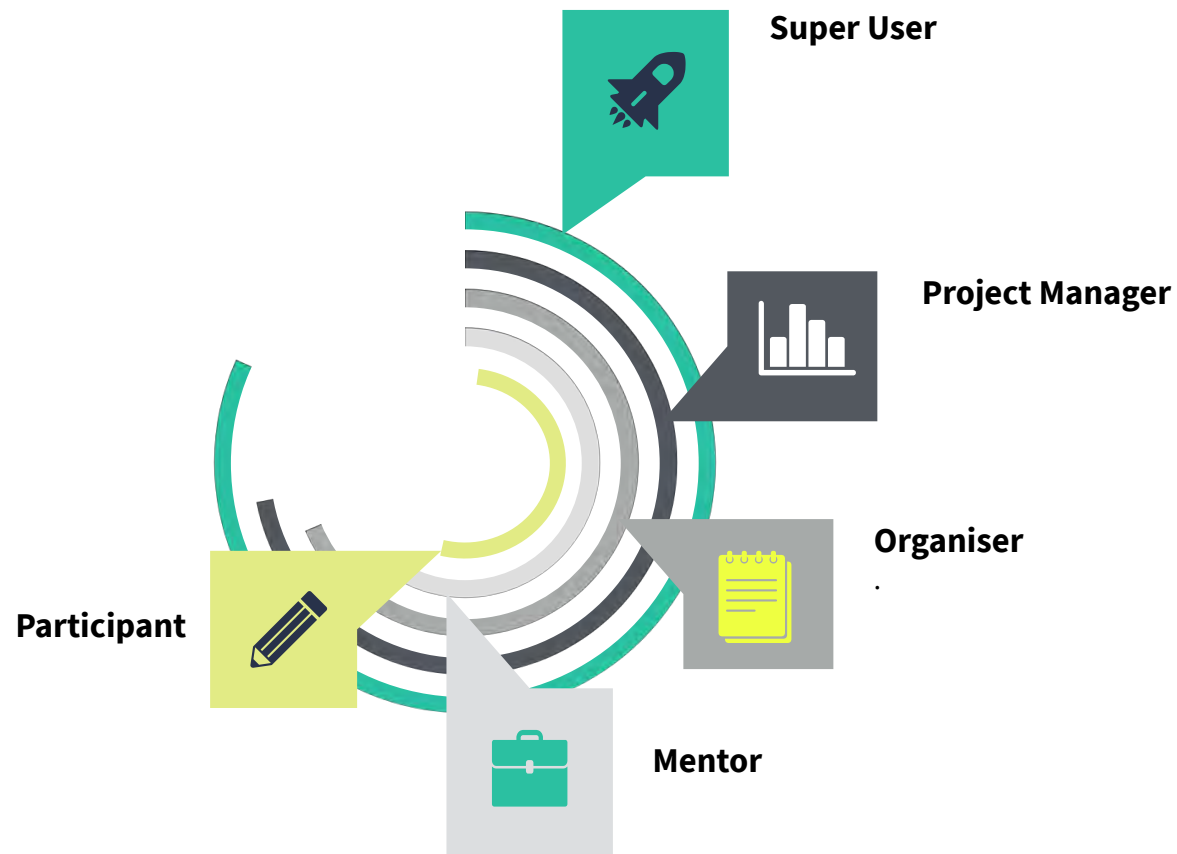
C



Career 4.0 Elearning Platform







Roles in the Elearning platform

first Sprint

Users stories from the Product Backlog to be completed within the first Sprint



Super User Account

As a Hyper User I can log in to the platform in order to create Project Manager accounts



Create Project Manager accounts

As a Super User I want to be able to create, delete or edit Project Manager Accounts



Create Organiser Accounts

As a Project Manager I want to be able to create new Organiser accounts



Organise r Profile

As an Organiser I want to be able to fill in my profile so that everyone knows how to contact me

second Sprint - Sprint Backlog

Users stories from the Product Backlog to be completed within the second Sprint



Preview Organiser Profile

As a Participant I want to be able to see the profile of an Organiser so that I know how to contact them



User Inbox

As an Organiser I want to be able to have an inbox so that I can communicate with Participants and Mentors I am related with



Live Demo