

# Work plan

## Deadlines

- 2021-03-08 Choose a project proposal and send your choice via email to epsatisep@gmail.com
- 2021-03-18 Define the **Project Backlog** (what must be done and key deliverables - every member should preferably participate in every task), **Global Sprint Plan**, **Initial Sprint Plan** (which tasks should be included, who does what) and **Release Gantt Chart** of the project and insert them on the wiki (planning)
- 2021-03-24 Upload the “black box” **System Diagrams & Structural Drafts** to the wiki
- 2021-04-07 Upload the detailed **System Schematics & Structural Drawings** to the wiki and do the **cardboard scale model** of the structure
- 2021-04-14 Upload the **List of Materials (what & quantity)** to the wiki
- 2021-04-17 Upload the **Interim Report and Presentation** to the wiki. The report must contain the the following chapters: Introduction, Project Management, State of the Art, Marketing Plan, Eco-efficiency Measures for Sustainability, Ethical and Deontological Concerns, Proposed Solution and Bibliography. In particular, the Project Management chapter includes the updated project progress register, the sprint report for completed sprints (tasks that were included, statuses, assignees, allocations) and the updated release Gantt chart
- 2021-04-22 Interim Presentation, Discussion and Peer, Teacher and Supervisor Feedbacks
- 2021-04-28 Complete the **List of Materials (local providers & price, including VAT and transportation)** to the wiki
- 2021-05-15 Upload refined Interim Report (based on Teacher & Supervisor Feedback)
- 2021-06-08 Upload the results of the **Functional Tests** to the wiki
- 2021-06-19 Upload the **Final Report, Presentation, Video, Paper, Poster and Manual**
- 2021-06-23 Final Presentation, Individual Discussion and Assessment
- 2021-06-28:
  1. Update the wiki, report, paper with all suggested corrections
  2. Place in the files section of the MS Teams channel of your team a **folder with the refined deliverables (source + PDF) together with all code and drawings produced**
  3. Hand in to the EPS coordinator a **printed copy of the refined report and poster**
- 2021-06-30:
  1. Hand in the **prototype and user manual** to the client
  2. Receive the **EPS@ISEP certificate**
  3. Bring **typical food** from your country

## Project Plan

Define your optimal sprint duration and plan your sprints until project end using Global Sprint Plan Table 1.

Table 1: Global Sprint Plan

Sprint	Start	Finish
Sprint 1	01/03/2021	07/03/2021

Sprint	Start	Finish
Sprint 2	08/03/2021	14/03/2021
Sprint 3	15/03/2021	21/03/2021
Sprint 4	22/03/2021	28/03/2021
Sprint 5	29/03/2021	04/04/2021
Sprint 6	05/04/2021	11/04/2021
Sprint 7	12/04/2021	18/04/2021
Sprint 8	19/04/2021	25/04/2021
Sprint 9	26/04/2021	02/05/2021
Sprint 10	03/05/2021	09/05/2021
Sprint 11	10/05/2021	16/05/2021
Sprint 12	17/05/2021	23/05/2021
Sprint 13	24/05/2021	30/05/2021
Sprint 14	31/05/2021	06/06/2021
Sprint 15	07/06/2021	13/06/2021
Sprint 16	14/06/2021	20/06/2021
Sprint 17	21/06/2021	30/06/2021

Build your project backlog, including all relevant tasks/deliverables, using Project Backlog Table 2. Prioritize all backlog items (PBI), keeping higher priority items at the top, and lower priority at the bottom.

Table 2: Project Backlog

PBI	Title	Status
A	Read the articles about crowd orchestration	Done
B	Answer the question: where crowd orchestration can be the most useful?	Done
C	Discuss on the ethical and sustainable aspects of our ideas	Done
D	Presentation for Team Building classes	Done
E	State of the art	Done
F	Project Backlog, Sprint Plans and Gantt Chart	Done
G	Homework of Energy and Sustainable Development	Done
H	Design Thinking Maps preparation	Done
I	Get familiar with Business Canvas - Marketing Classes	Done
J	Put references in wiki	Done
K	Preparing the presentation of "Communication"	Done
L	Updating the table with the tasks on wiki	Done
M	Putting the agenda and meeting minutes on wiki	Done
N	Develop a case study concerning an ethical issue (ETHDO)	Done
O	Extend the research about our project ideas (communication, interaction etc.)	Done
P	Choose specific product	Done
R	Black Box	Done
S	Spring Reviews in Notebook	Done
T	Correct references in the state of the art	Done
U	Marketing Presentation	Done

<b>PBI Title</b>	<b>Status</b>
W Flyer (Brand, Logo)	Done
X System Schematics and Structural Drawings	Done
Y Cardboard scale model of the structure	To do
Z List of materials	Done
A' Interim Report	Done
B' Interim Presentation	Done
C' Components comparison improvement	Done
D' Choice of the battery	Done
E' Report corrections	Done
F' Sustainability report - homework	Done
G' Case study	Done
H' Leaflet	Done
I' Research Paper	In progress
J' 3D model video	Done
K' Dimensions of the product	Done
L' Power table	Done
M' Functionalities - report	Done
N' Choice between PLA and ABS for 3D printing	Done
O' Power consumption of ESP32	Done
P' Packaging idea	Done
R' Joining the scanner parts	Done
S' Festival map	Done
T' Base of the body	Done
U' Application functionalities	Done
W' Application interface	Done
X' Final cost of the device	Done
Y' Rental costs (marketing)	Done
Z' Marketing plan presentation	Done
A'' ESP32 configuration	Done
B'' Project management section finalizing	In progress
C'' Project development finalizing	In progress
D'' Double scanning	Done
E'' Manual	Done
F'' Power switch connection	Done
G'' Mounting internal components	Done
H'' Stickers for the prototype	Done

Plan each sprint at its beginning (Sprint Planning session) using the Sprint Plan Table 3.

Table 3: Sprint Plan

<b>Sprint</b>	<b>Task</b>	<b>Duration (d)</b>	<b>Responsible</b>	<b>Involved</b>
1	D	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian

<b>Sprint</b>	<b>Task</b>	<b>Duration (d)</b>	<b>Responsible</b>	<b>Involved</b>
2	H	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
2	A	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
2	B	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
2	C	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
2	F	7	Maja, Ewa, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian
2	E	7	Bruno	Bruno
3	A	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
3	B	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
3	C	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
3	J	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
3	K	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
3	G	7	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
4	O	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
4	P	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
4	R	14	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
4	S	7	Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
5	R	14	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
5	T	7	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
5	U	7	Eva, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian
5	W	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
5	X	14	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
5	Y	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
6	X	14	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
6	Y	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
6	Z	7	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
7	Z	14	Maja, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
7	A'	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
7	B'	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
7	C'	7	Maja, Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
8	Z	14	Maja, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
8	C'	14	Maja, Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
8	D'	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian

<b>Sprint</b>	<b>Task</b>	<b>Duration (d)</b>	<b>Responsible</b>	<b>Involved</b>
8	E'	7	Maja, Cristian, Ewa, Bleuenn, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
8	F'	7	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
8	G'	7	Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
8	H'	7	Cristian, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian
8	I'	7	Bruno, Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian
8	J'	7	Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
9	Z	14	Maja, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
9	E'	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
9	I'	14	Cristian, Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
9	J'	21	Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
10	E'	14	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
10	I'	14	Cristian, Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
10	J'	21	Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
10	K'	7	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
10	L'	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
10	M'	7	Ewa, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian
10	N'	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
11	J'	21	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
11	O'	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
11	P'	7	Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian
12	I'	14	Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian
12	R'	7	Bruno, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
12	S'	7	Ewa, Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
13	I'	14	Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian
13	T'	7	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
13	U'	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
13	W'	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
13	X'	7	Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian
13	Y'	7	Bruno, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian
13	Z'	7	Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian
13	A''	7	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian
14	I'	21	Ewa, Bleuenn	Bruno, Ewa, Bleuenn
14	Y'	14	Bruno	Bruno, Ewa, Bleuenn
15	I'	21	Bleuenn, Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian
15	R'	14	Cristian, Bruno	Cristian, Bruno
15	B''	7	Maja	Maja, Bruno, Bleuenn
15	C''	14	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
15	D''	7	Maja	Maja
15	E''	7	Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian

Sprint	Task	Duration (d)	Responsible	Involved
16	I'	21	Bleuenn, Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian
16	C''	14	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
16	F''	7	Maja	Maja
16	G''	7	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian
16	H''	7	Ewa, Bleuenn	Ewa, Bleuenn

Review each sprint at its end and update each item status on the Progress Register Table 4.

Table 4: Project Progress Register

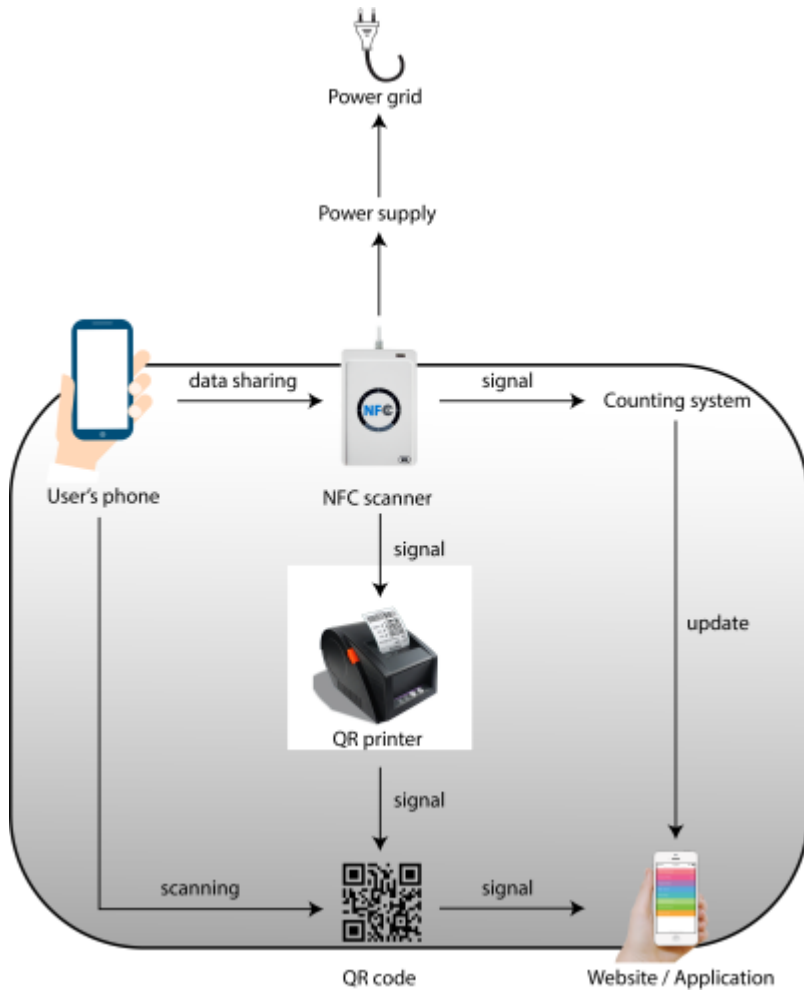
Sprint	PBI	Responsible	Involved	Status
1	D	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
2	H	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
2	A	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
2	B	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
2	C	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
2	F	Maja, Ewa, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
2	E	Bruno	Bruno	Done
3	A	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
3	B	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
3	C	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
3	J	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
3	K	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
3	G	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
4	O	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
4	P	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
4	R	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
4	S	Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
5	R	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
5	T	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
5	U	Eva, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
5	W	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
5	X	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
5	Y	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
6	X	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
6	Y	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	To do
6	Z	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
7	Z	Maja, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
7	A'	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
7	B'	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
7	C'	Maja, Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
8	Z	Maja, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
8	C'	Maja, Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
8	D'	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done

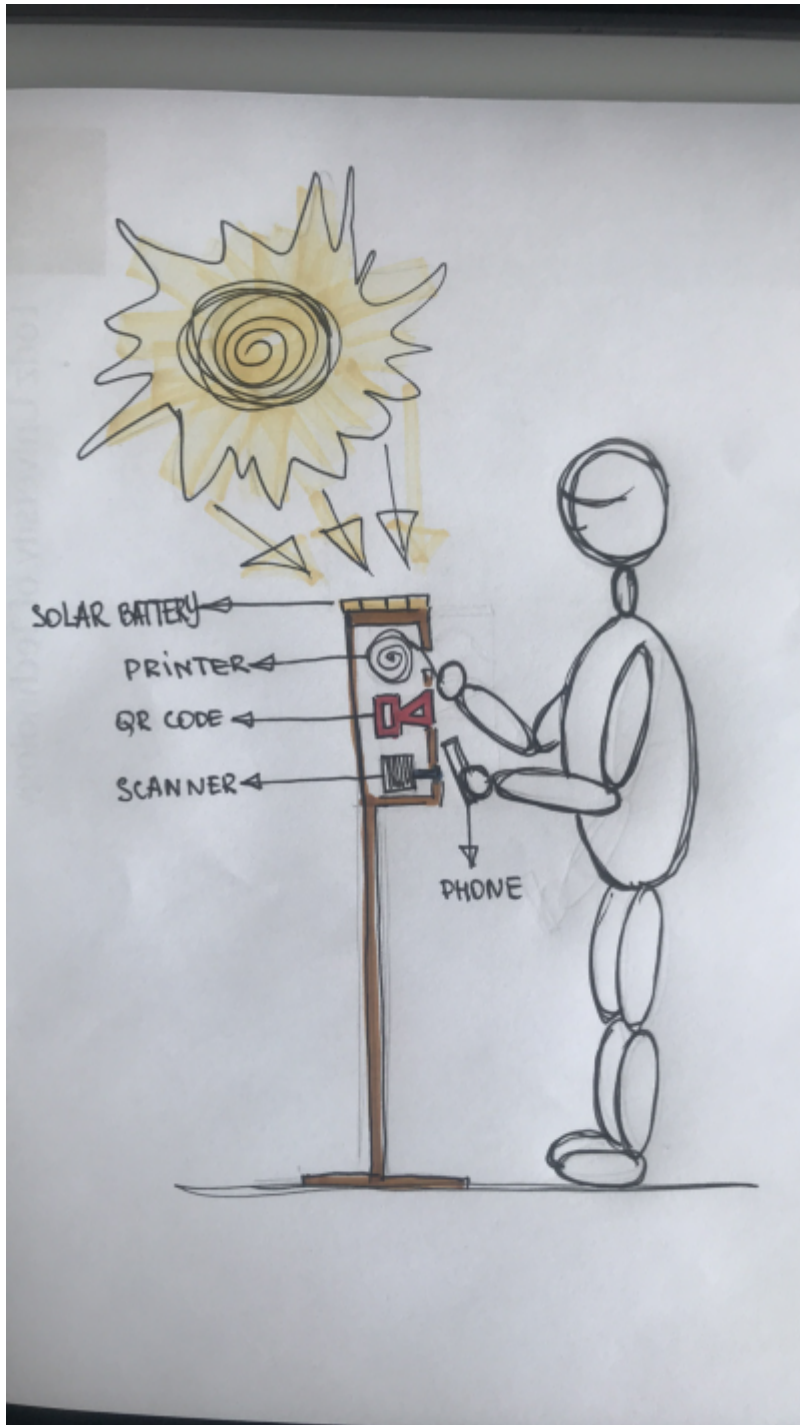
<b>Sprint</b>	<b>PBI</b>	<b>Responsible</b>	<b>Involved</b>	<b>Status</b>
8	E'	Maja, Cristian, Ewa, Bleuenn, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
8	F'	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
8	G'	Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
8	H'	Cristian, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
8	I'	Bruno, Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
8	J'	Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
9	Z	Maja, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
9	E'	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
9	I'	Cristian, Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
9	J'	Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
10	E'	Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
10	I'	Cristian, Bruno, Maja, Ewa, Bleuenn, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
10	J'	Cristian, Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
10	K'	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
10	L'	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
10	M'	Ewa, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
10	N'	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
11	J'	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
11	O'	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
11	P'	Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
12	I'	Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
12	R'	Bruno, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
12	S'	Ewa, Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
13	I'	Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
13	T'	Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
13	U'	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
13	W'	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
13	X'	Bruno	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
13	Y'	Bruno, Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
13	Z'	Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
13	A''	Maja	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
14	I'	Ewa, Bleuenn	Bruno, Ewa, Bleuenn	In progress
14	Y'	Bruno	Bruno, Ewa, Bleuenn	Done
15	I'	Bleuenn, Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
15	R'	Cristian, Bruno	Cristian, Bruno	Done
15	B''	Maja	Maja, Bruno, Bleuenn	Done
15	C''	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
15	D''	Maja	Maja	Done
15	E''	Bleuenn	Bruno, Maja, Ewa, Bleuenn, Cristian	Done
16	I'	Bleuenn, Ewa	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
16	C''	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	In progress
16	F''	Maja	Maja	Done
16	G''	Maja, Cristian	Bruno, Maja, Ewa, Bleuenn, Cristian	Done

Sprint	PBI	Responsible	Involved	Status
16	H"	Ewa, Bleuenn	Ewa, Bleuenn	Done

Identify key project deliverables (when they will be started and completed) and build a release Gantt chart.

crowd\_orchestration\_final\_gantt\_chart.pdf









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