

1706559 - Presentation

by Ryan Morgan

Submission date: 04-Dec-2019 01:38PM (UTC+0000)

Submission ID: 115129764

File name: 2668_Ryan_Morgan_1706559_-_Presentation_210053_1455151330.pptx (3.55M)

Word count: 316

Character count: 1644



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KEY TO THE FUTURE

Team-working and Management

Ryan Morgan

SOFTWARE ENGINEERING



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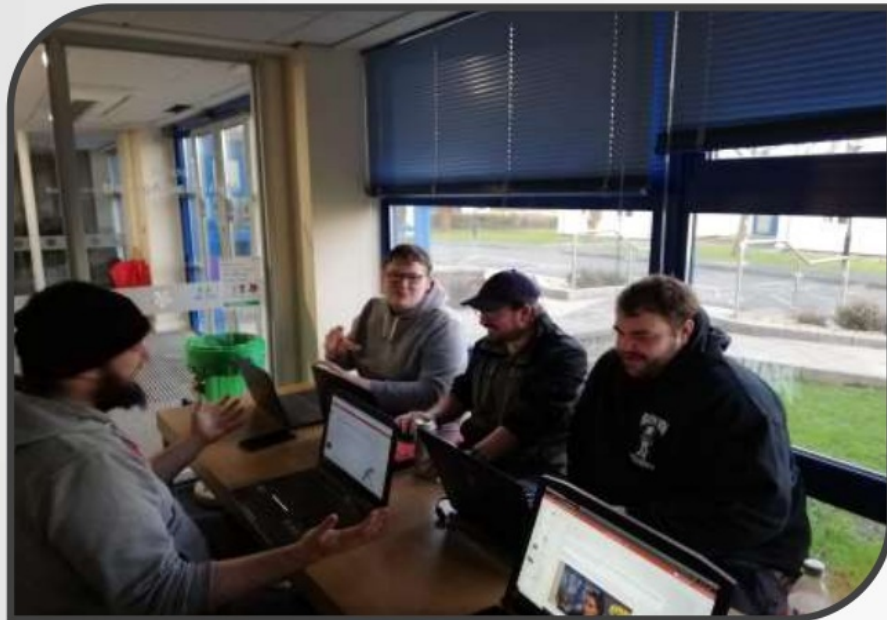
Team Management

- Identified How to be an effective team
- Strength-based job roles
- Setting of realistic targets
- Offering a network of support



Team Collaboration

Team Meetings



Meeting at Carmarthen Campus

Progress Reports

Weekly Progress report 1:

Date: 02/11/2019

In-Attendance: AS, DA, RM, NM, MD. Apologies: - Absent: -

Team Goals:

To implement an innovated project which will obtain a group consensus.

Shared Platforms



Meeting Our Objectives

Prototype Planning is on Track!

- Market Research via Social Media
- Identified Key Features and USPs
- Core Components Selected



Next Steps...

3D Model Design



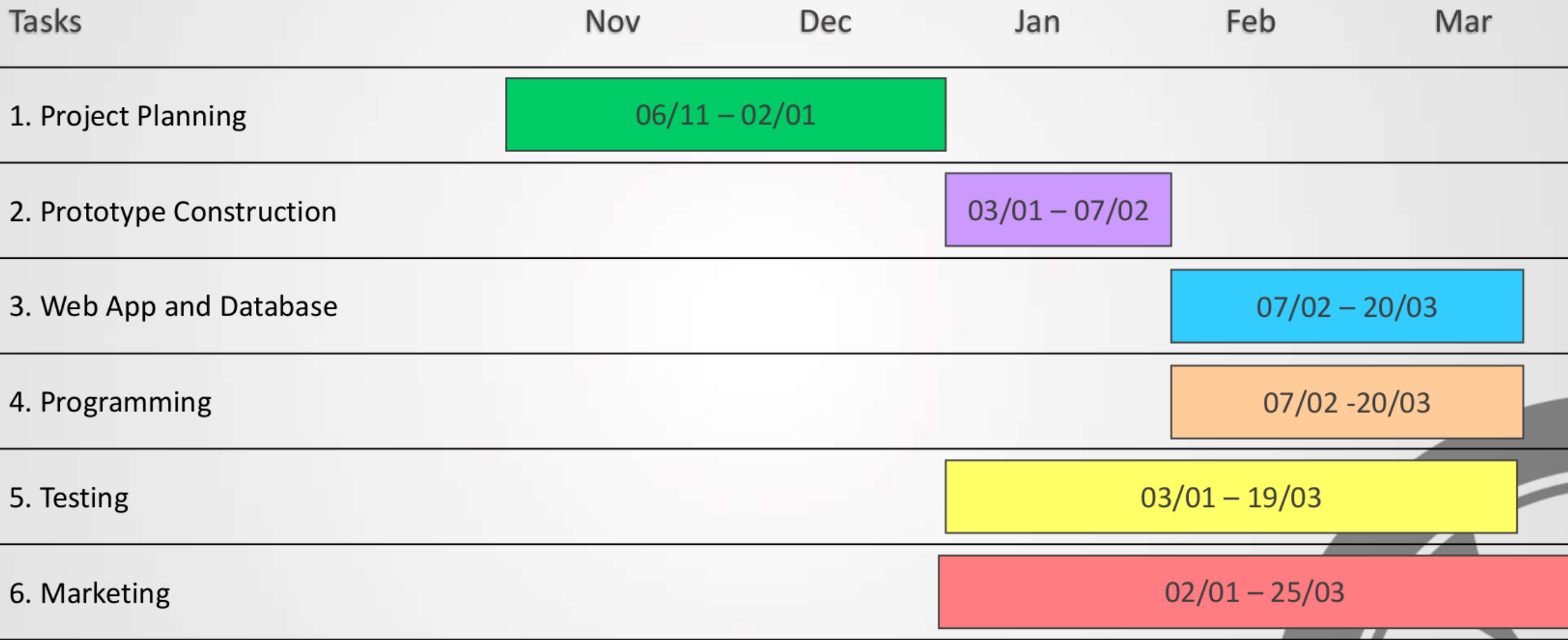
AUTODESK®
TINKERCAD®

New Focus

Construction

3rd January 2020

Project Time Scale (Gant)



Conclusion

Identifying the core principles really allowed the group to accelerate through the development process, team balance, communication and shared utilities helped the team to collaborate effectively, to achieve the goals set. With the resources soon available the project can advance to creating a working prototype alongside a web application, all working towards making the road a safer place to be.



References and Appendices

- [1] L. J. Daniel and C. R. Davis, "What Makes High-Performance Teams Excel?," *Res. Manag.*, vol. 52, no. 4, pp. 40–45, Jul. 2009.
- [2] A. Trainer, "Profile of Henry Gantt & the History of the Gantt Chart," *Silicon Beach Training*, 2012. [Online]. Available:
<https://www.siliconbeachtraining.co.uk/blog/profile-of-henry-gantt-history-of-gantt-chart>. [Accessed: 27-Nov-2019].

Gant Chart

ID	Task Name	Start	Finish	Duration
1	Project Planning	06/11/2019	02/01/2020	8.4w
2	Prototype Construction	03/01/2020	07/02/2020	5.2w
3	Web / Database Compiling	07/02/2020	20/03/2020	6.1w
4	Programming	07/02/2020	20/03/2020	6.1w
5	Testing	03/01/2020	19/03/2020	11w
6	Marketing	02/01/2020	25/03/2020	12w
7	Report /Final Presentation	04/02/2020	25/03/2020	7.3w



KEY

Group Activity - All Members Participate ■

Dan Algie – Database Management / Marketing ■

Ryan Morgan – Web Development / Printing Engineer ■

Anthony Smith – Database management / Printing Engineer ■

Nathan Morgan – Electronic Engineer / Programmer ■

Martin Dunn – Programmer / Marketing ■

Progress Reports - Week 1

Weekly Progress report 1:

Date: 06/11/2019

In-Attendance: AS, DA, RM, NM, MD. Apologies: - Absent: -

Team Goals:

To implement an innovated project which will obtain a group consensus.

> Individual Updates:

AS Update: Amass a list of different ideas which could be used as the group project, and research how unique each concept is.

NM Update: researched different parts for the project, including alternatives with different size footprints for adapting to the consumer needs.

DA Update: Researched different types of keys to see which would be more suitable type of key to suit our ideas.

RM Update: Researched different methods of creating web applications.

MD Update: Forming a list of innovative projects to talk in the group

> Team discussion:

Notes: As a group, it was decided to individual submit ideas that could potentially become the focus of the group project. After many debates, it was decided that the biometric Car Key would be the most viable choice.

- Individual team roles have been set.
- Compile a list of components required to create the device.
- Contact sources, that will be necessary to fund the product and supply equipment to create the prototype.
- Design a business logo and distribute a survey as part of the marketing strategy.

> Individual Actions:

AS Actions: design the group logo and cement each individual position within the group.

NM Actions: Converted survey into a digital format and market it amongst social circles using an online medium <https://forms.gle/JVc8jqfbpSwbzCJD9>

DA Actions: researched different types of car keys around the world.

RM Actions: Will investigate similar competitors.

MD Actions:

FINAL GRADE

GENERAL COMMENTS

Instructor

74/100

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GRADING FORM: UWTSD GRADING FORM

RYAN MORGAN

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1. RESEARCH LITERATURE

Extent of research and/or own reading, selection of credible sources, application of appropriate referencing conventions.

 - No Citations. Reference list: 8 sources. – does not adhere to Numeric/IEEE standard format.

6

2. KNOWLEDGE AND UNDERSTANDING

Extent of knowledge and understanding of concepts and underlying principles associated with the discipline.

 Team management. Strategy.

10

3. ANALYSIS

Analysis, evaluation and synthesis; logic, argument and judgement; analytical reflection; organisation of ideas and evidence.

 Team analysis. Objectives analysis. Gantt chart analysis. Market research and feedback.

20

4. PRACTICAL APPLICATION

Deployment of methods, materials, tools and techniques; application of concepts; formulation of innovative and creative solutions to solve problems.

 Team meetings support and collaboration. Good. Progress reports. Shared platforms. Gantt chart. Logo design.

20

5. PROFESSIONAL PRACTICE

Attributes in professional practice: individual and collaborative working; deployment of appropriate media; presentation and organisation.

 Good introduction. Well spoken. Supporting notes. Good slide design.

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