

Project Plan and Cost Estimate

DELIVERABLE E

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Abstract

The following document provides the project tasks in list view and the project Gantt chart imported from Wrike. Following the scheduling form Wrike, the project rick and contingency plans are listed. The document is then concluded by the project's costs.

1.0 Intro

Based on past deliverables outlined below is the plan for our design. The general system used to plan our design is Wrike. An online program allows users to plan and organize projects while giving all project members a broad perspective on deliverables. Wrike allows you to see the project from either list, table, or Gantt view. Tasks are uploaded at any time with specific members of the project assigned to each task. In this deliverable, the main objective was to provide our project plan through Wrike why also displaying a plan for risks and contingencies as well as our project's costs.

2.0 Project Plan from Wrike

2.1 List View from Wrike

2/26/2021

Wrike.com - GNG1103 Project

GNG1103 Project

Tasks in "My Folders / GNG1103 Project", ordered by priority.

Filtered by *status:active*

- New / Milestones** [GNG1103 Project]
by Georges El-Sabbagh to Georges El-Sabbagh, Nawaf Abdalah, Bashe Ahmed, hwars033@uottawa.ca and Christian Padrones, backlogged
- New / Prototype 1** [GNG1103 Project]
Attached to: Milestones
by Georges El-Sabbagh to hwars033@uottawa.ca, Christian Padrones, Bashe Ahmed, Nawaf Abdalah and Georges El-Sabbagh, due to 7 Mar 2021
- New / Prototype 2** [GNG1103 Project]
Attached to: Milestones
by Georges El-Sabbagh to Bashe Ahmed, Christian Padrones, hwars033@uottawa.ca, Nawaf Abdalah and Georges El-Sabbagh, due to 14 Mar 2021
- New / Prototype 3** [GNG1103 Project]
Attached to: Milestones
by Georges El-Sabbagh to Georges El-Sabbagh, Nawaf Abdalah, Christian Padrones, hwars033@uottawa.ca and Bashe Ahmed, due to 28 Mar 2021
- New / Project Complete** [GNG1103 Project]
Attached to: Milestones
by Georges El-Sabbagh to Nawaf Abdalah, Bashe Ahmed, Georges El-Sabbagh, Christian Padrones and hwars033@uottawa.ca, due to 12 Apr 2021
- New / Correspondence** [GNG1103 Project]
by Georges El-Sabbagh to Georges El-Sabbagh, planned for 26 Feb 2021 — 14 Apr 2021
- New / Emailed Ebin about clarity on the project regarding on how to create an app.** [GNG1103 Project]
Attached to: Correspondence
by Georges El-Sabbagh to Georges El-Sabbagh and Ebin Joseph, due to 26 Feb 2021
- New / Assignments** [GNG1103 Project]
by Georges El-Sabbagh to Georges El-Sabbagh, Nawaf Abdalah, Bashe Ahmed, Christian Padrones and hwars033@uottawa.ca, backlogged
- In Progress / Peer Evaluation 2.1** [GNG1103 Project]
Attached to: Assignments
by Georges El-Sabbagh to Christian Padrones, Bashe Ahmed, Nawaf Abdalah, hwars033@uottawa.ca and Georges El-Sabbagh, planned for 14 Feb 2021 — 21 Feb 2021
- New / Peer Evaluation 2.2** [GNG1103 Project]
Attached to: Assignments
by Georges El-Sabbagh to Georges El-Sabbagh, hwars033@uottawa.ca, Nawaf Abdalah, Christian Padrones and Bashe Ahmed, planned for 21 Feb 2021 — 28 Feb 2021
- New / Client Meetings** [GNG1103 Project]
by Georges El-Sabbagh to hwars033@uottawa.ca, Christian Padrones, Bashe Ahmed, Nawaf Abdalah and Georges El-Sabbagh, backlogged
- New / Client Meeting 2** [GNG1103 Project]
Attached to: Client Meetings
by Georges El-Sabbagh to Bashe Ahmed, Nawaf Abdalah, Georges El-Sabbagh, Christian Padrones and hwars033@uottawa.ca, planned for 23 Feb 2021 — 26 Feb 2021
- New / Create power point presentation** [GNG1103 Project]
Attached to: Client Meeting 2, Client Meetings
by Christian Padrones to Georges El-Sabbagh, Christian Padrones and Bashe Ahmed, planned for 15 Feb 2021 — 19 Feb 2021
- New / Prepare presentation template** [GNG1103 Project]
Attached to: Client Meeting 2, Client Meetings
by Christian Padrones to Nawaf Abdalah and hwars033@uottawa.ca, planned for 15 Feb 2021 — 19 Feb 2021
- New / Client Meeting 3** [GNG1103 Project]
Attached to: Client Meetings
by Georges El-Sabbagh to Nawaf Abdalah, Bashe Ahmed, Georges El-Sabbagh, Christian Padrones and hwars033@uottawa.ca, planned for 16 Mar 2021 — 16 Mar 2021
- New / Deliverables** [GNG1103 Project]

2/26/2021

Wrike.com - GNG1103 Project

by Georges El-Sabbagh to Georges El-Sabbagh, Nawaf Abdalah, Bashe Ahmed, Christian Padrones and hwars033@uottawa.ca, backlogged

-
- New / Deliverable H - Prototype III and Customer Feedback** [GNG1103 Project]
Attached to: Deliverables
by Georges El-Sabbagh to Bashe Ahmed, Nawaf Abdalah, Christian Padrones and Georges El-Sabbagh, planned for 21 Mar 2021 — 28 Mar 2021
-
- New / Apply fixes and take into consideration recommendations from prototype 2 review.** [GNG1103 Project]
Attached to: Deliverable H - Prototype III and Customer Feedback, Deliverables
by Georges El-Sabbagh, backlogged
-
- New / Check for bugs.** [GNG1103 Project]
Attached to: Deliverable H - Prototype III and Customer Feedback, Deliverables
by Georges El-Sabbagh, backlogged
-
- New / Finalize the App and ensure quality.** [GNG1103 Project]
Attached to: Deliverable H - Prototype III and Customer Feedback, Deliverables
by Georges El-Sabbagh, backlogged
-
- In Progress / Deliverable E - Project Plan and Cost Estimate** [GNG1103 Project]
Attached to: Deliverables
by Georges El-Sabbagh to hwars033@uottawa.ca, Bashe Ahmed, Christian Padrones, Nawaf Abdalah and Georges El-Sabbagh, planned for 21 Feb 2021 — 28 Feb 2021
-
- New / A list of all the tasks which need to be completed, an estimated duration for each task, as well as who is responsible for each task.** [GNG1103 Project]
Attached to: Deliverable E - Project Plan and Cost Estimate, Deliverables
by Georges El-Sabbagh to hwars033@uottawa.ca, planned for 27 Feb 2021 — 27 Feb 2021
-
- New / A Gantt diagram, which includes all significant project milestones and all dependencies. (made on Trello using BigPicture)** [GNG1103 Project]
Attached to: Deliverable E - Project Plan and Cost Estimate, Deliverables
by Georges El-Sabbagh to Georges El-Sabbagh, planned for 27 Feb 2021 — 27 Feb 2021
-
- New / A list of the significant project risks and our associated contingency plans to mitigate the critical risks that are reasonably likely.** [GNG1103 Project]
Attached to: Deliverable E - Project Plan and Cost Estimate, Deliverables
by Georges El-Sabbagh to Christian Padrones and Bashe Ahmed, planned for 27 Feb 2021 — 27 Feb 2021
-
- New / An estimate of the cost for all components and materials which we will need for the three different prototyping deliverables.** [GNG1103 Project]
Attached to: Deliverable E - Project Plan and Cost Estimate, Deliverables
by Georges El-Sabbagh to Nawaf Abdalah, planned for 27 Feb 2021 — 27 Feb 2021
-
- New / Deliverable F - Prototype I and Customer Feedback** [GNG1103 Project]
Attached to: Deliverables
by Georges El-Sabbagh to Christian Padrones, planned for 28 Feb 2021 — 7 Mar 2021
-
- New / After meeting with Ebin, develop a structure for the code.** [GNG1103 Project]
Attached to: Deliverable F - Prototype I and Customer Feedback, Deliverables
by Georges El-Sabbagh, planned for 28 Feb 2021 — 1 Mar 2021
-
- New / Create the first Tutorial prototype for the App.** [GNG1103 Project]
Attached to: Deliverable F - Prototype I and Customer Feedback, Deliverables
by Georges El-Sabbagh, planned for 2 Mar 2021 — 3 Mar 2021
-
- New / Establish a functioning main menu.** [GNG1103 Project]
Attached to: Deliverable F - Prototype I and Customer Feedback, Deliverables
by Georges El-Sabbagh, planned for 3 Mar 2021 — 4 Mar 2021
-
- New / Establish a functional Scan function.** [GNG1103 Project]
Attached to: Deliverable F - Prototype I and Customer Feedback, Deliverables
by Georges El-Sabbagh, planned for 4 Mar 2021 — 5 Mar 2021
-
- New / Assemble all components for testing together.** [GNG1103 Project]
Attached to: Deliverable F - Prototype I and Customer Feedback, Deliverables
by Georges El-Sabbagh, planned for 5 Mar 2021 — 6 Mar 2021
-
- New / Deliverable G - Prototype II and Customer Feedback** [GNG1103 Project]
Attached to: Deliverables
by Georges El-Sabbagh to Georges El-Sabbagh, Christian Padrones, Nawaf Abdalah, Bashe Ahmed and hwars033@uottawa.ca, planned for 7 Mar 2021 — 14 Mar 2021

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New / Create a list of all fixes to apply to the App after presenting prototype 1. [GNG1103 Project]
Attached to: Deliverable G - Prototype II and Customer Feedback, Deliverables by Georges El-Sabbagh, backlogged

New / Fix all necessary components. [GNG1103 Project]
Attached to: Deliverable G - Prototype II and Customer Feedback, Deliverables by Georges El-Sabbagh, backlogged

New / Apply Informatic options In the App. [GNG1103 Project]
Attached to: Deliverable G - Prototype II and Customer Feedback, Deliverables by Georges El-Sabbagh, backlogged

New / Apply Schedule In App. [GNG1103 Project]
Attached to: Deliverable G - Prototype II and Customer Feedback, Deliverables by Georges El-Sabbagh, backlogged

New / Check for bugs. [GNG1103 Project]
Attached to: Deliverable G - Prototype II and Customer Feedback, Deliverables by Georges El-Sabbagh, backlogged

New / Deliverable I [GNG1103 Project]
Attached to: Deliverables by Georges El-Sabbagh to Nawaf Abdalah, planned for 28 Mar 2021 — 8 Apr 2021

New / Deliverable K [GNG1103 Project]
Attached to: Deliverables by Georges El-Sabbagh to hwars033@uottawa.ca, planned for 8 Apr 2021 — 11 Apr 2021

2.2 Gantt Char from Wrik

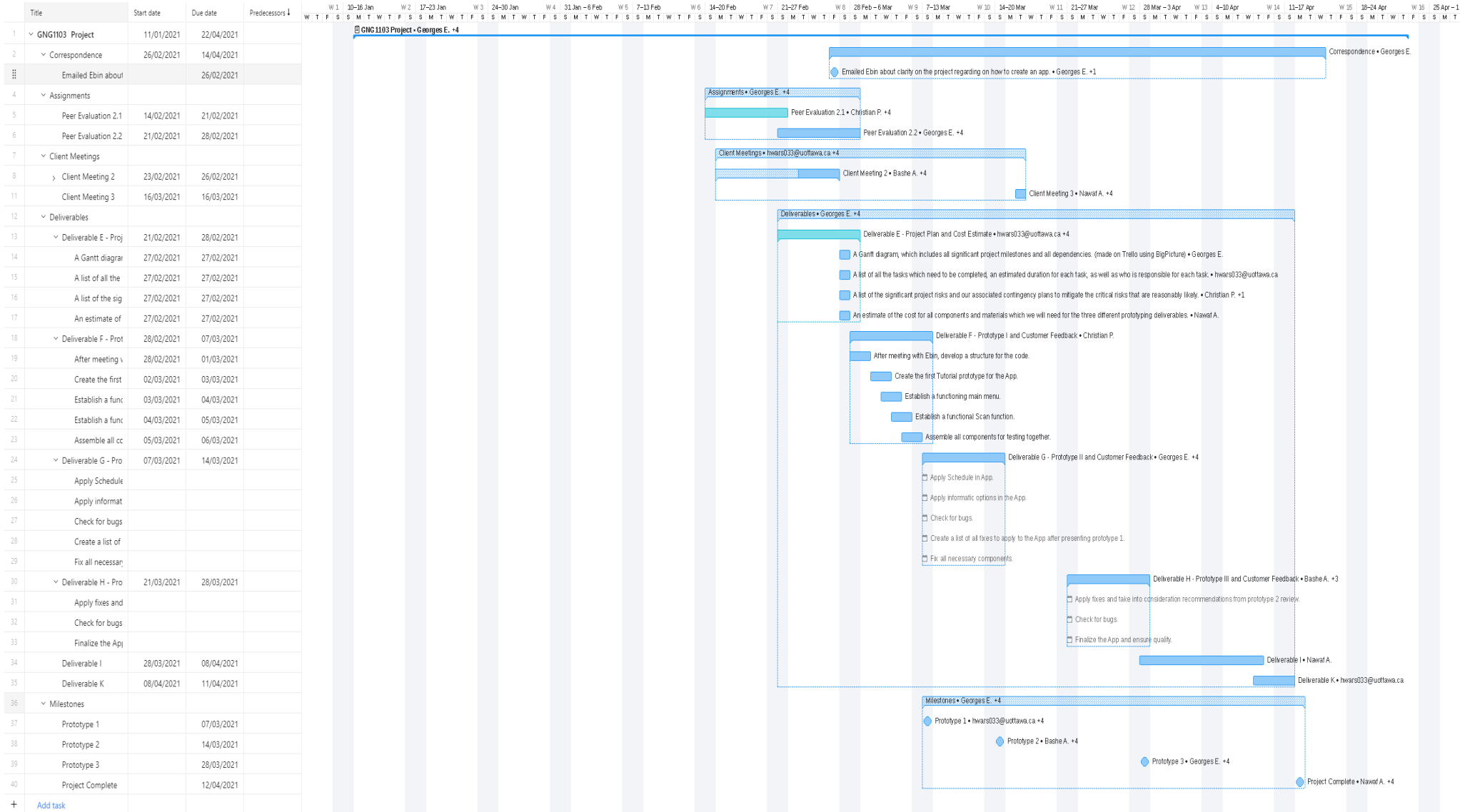


Figure 1 - Gantt Chart imported from Wrike.

3.0 Project Risk & Contingency Plans

Identifying, analyzing, and monitoring is crucial in reducing risk and drastically increasing any project's success. Effective implementation of risk management will reduce surprises, create a more realistic budget and schedule, and allow for more explicit success expectations. A practical method of identifying risk is to have consistent meetings enabling every member to give their feedback on any obstacle they may be facing in completing their task. Risk management is vital to categorize risks in terms of urgency and importance once a threat is identified. For this reason, our team has decided to implement the Eisenhower Matrix to help organize risk from crises to distraction. [1]

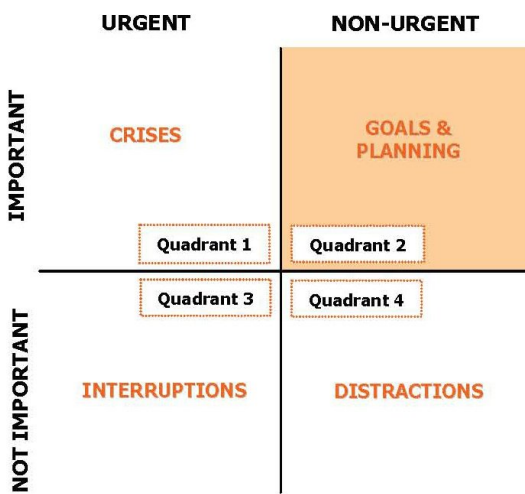


Figure 2 The Eisenhower Matrix [2]

- Crises- Prioritize
- Goals and planning- Schedule
- Interruption- Delegate
- Distraction- Ignore

The Eisenhower Matrix allows us to analyze which risk is urgent and requires immediate attention, neither critical nor essential. Once the risk is analyzed, a contingency plan is created to avoid or mitigate any harm it could cause to our project's success. Finally, monitoring risk requires our team to discuss how our solution's effectiveness and the revision of our contingency plan for future obstacles.

Risks	Eisenhower Matrix	Contingency
Loss of data	Goals and planning	Every member should have a copy of the completed deliverables, and it should be backed up on an external hard drive
Submission	crises	To mitigate confusion on who is submitting the completed deliverable. The task of submission is given to the team leader.
Completing task	Goals and planning	Distribute tasks equitably, so no one is carrying most of the load.
Communication	Goals and planning	Our team should have at least one or two meetings a week to stay updated on task progress.
Meeting Deadlines	Crises	Continuously update Wrike and discuss during meeting any upcoming deadlines
Possibility of members getting Covid-19	Interruptions	Every member should be well informed on every aspect of the project if one member is falling ill. That member tasks should be distributed between the remaining members.
Feasibility of our goals	Goals and planning	It is possible that some of our project features may not be feasible due to app constraints or our lack of knowledge. We should be realistic in our goals.
App crashing	Crises	First, we need to narrow down the possible problem, secondly research solution, and thirdly reach out to experts.
Issue with platforms constraints	Goals and planning	Research which platform fits our project criteria.
Limited budget	Goals and planning	Due to course budget constraints, we are limited in what we can accomplish. In that regard we should prioritize the things we need over the things we want.

4.0 Project Cost

As mentioned, the direction being taken for the app is a simple and user-friendly design. By continuing the simple theme, it is best to produce the app at a cheap cost. By following the \$50 spending limit for the project, we can divide the materials' cost in the next table.

Material	Description of use	Cost
Google Play Host	There is a one-time fee that must be paid to host our app on Google Play for Android users.	\$25
Apple Store Host	There is an annual fee that must be paid to host our app on the Apple Store for iOS users.	\$99 - Annually
Unity 2019.4.19	To create the app, we will use Unity, a game developing software.	\$0
Unity Debugger Plugin	A debugger plugin that is used for Unity. This will help with troubleshooting our code.	\$0
Optional Assets	Unity offers assets, free or paid, that can be used for our app. These can help with time and our app design.	\$10-\$20 Estimate
TOTAL	The host prices will later be taken into consideration during development.	\$10-\$20

Suppose the app was to be further developed. In that case, many other expenses can be considered to make it perform/look more professional. These include labor costs, hosting costs, and further asset costs. Although we will follow the \$50 spending limit for this project and try to produce the app at a low price.

5.0 Conclusion

The primary source for planning used was Wrike. Based on project deliverables, the tasks have been determined with corresponding deadlines. The milestones have also been taken into considerations. These milestones show the project's most extensive goals, such as the prototype completion dates and project completion. Concise project risk and contingency plan are constructed to forecast potential errors during the project phase. Finally, the project's cost estimate is calculated.

6.0 References

- [1] “Eisenhower Matrix: Prioritization Framework: Definition and Examples,” *ProductPlan*, 18-Aug-2020. [Online]. Available: <https://www.productplan.com/glossary/eisenhower-matrix/#:~:text=The%20Eisenhower%20Matrix%20is%20a,to%20their%20urgency%20and%20importance>. [Accessed: 28-Feb-2021].
- [2] Akinjide January 29, Allie Gorman-Jones April 25, Sophia Brown February 22, Emma-Louise February 22, and Name*, "Coaching Tools 101: The Urgent Important Matrix - What is it and How To Use it!: The Launchpad - The Coaching Tools Company Blog," *The Coaching Tools Company*, 25-Aug-2020. [Online]. Available: <https://www.thecoachingtoolscompany.com/coaching-tools-101-what-is-the-urgent-important-matrix/>. [Accessed: 28-Feb-2021].