**Progress Report**

**- Increment 2 -**

**Group Puzzalarm**

*Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.*

# Team Members

*Please write the* ***name*** *of all the team members, their* ***FSU IDs****, and* ***GitHub IDs*** *here.*

Devin Moure - dm17 - @DevinM4

Ryan Gutierrez - rag16b - @pyrokuna

Zachary Gutierrez - zcg16 - @Elegade

1. **Project Title and Description**

*Briefly describe your project*

Puzzalarm is a life optimization tool that helps users wake up more alert and have more productive days. With the requirement of solving a puzzle to turn off the alarm, the user must be fully cognizant/awake to turn the alarm off.

1. **Accomplishments and overall project status during this increment**

*Describe in detail what was accomplished during this increment and where your project stands overall compared to the initial scope and functionality proposed.*

During this increment we implemented our alarm functionality correctly as a background thread. The alarm will ring even if the app is in the background. This does not mean that the application can run while the app is closed. Android calls an onStop() function when a user closes an app and it destroys the main activity used by applications. If this were not the case, users would not be able to close out of apps and it could be considered malware.

Also, we have been working on the User Interface of the application and adding a 3x3 grid game that lights up and a user has to match a pattern to turn the alarm off.

1. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

*Please describe here in detail:*

*- anything that was challenging during this increment and how you dealt with the challenges*

During this iteration we begin working on implementing a nice UI which can be a major pain for backend developers who don’t normally focus on UI. We didn’t have much experience with frontend development other than some React experience. We implemented our UI using different types of Layouts such as LinearLayout and RelativeLayout.

*- any changes that occurred in the initial plan you had for the project or its scope. Describe the reasons for the changes.*

We have not made any changes to our original idea. We keep a todo list that has stayed the same the entire time in our Github Readme.

*- anything that went wrong during this increment*

At first we struggled with constraints inside of layouts but learned that they work similar to CSS Flexbox and adapted quickly once we figured out how it works. We would like to have implemented more into our application this iteration such as a weather API or more testing.

1. **Team Member Contribution for this increment**

*Please list each individual member and their contributions to* ***each of the deliverables in this increment*** *(be as detailed as possible). In other words, describe the contribution of each team member to:*

* 1. *the* ***progress report****, including the sections they wrote or contributed to*

Devin Moure - 1,2,3,4,5,6,7

Ryan Gutierrez -

Zachary Gutierrez -

* 1. *the* ***requirements and design document****, including the sections they wrote or contributed to*

Devin Moure - Worked on everything.

Ryan Gutierrez -

Zachary Gutierrez -

* 1. *the* ***implementation and testing document****, including the sections they wrote or contributed to*

Devin Moure - Worked on everything.

Ryan Gutierrez -

Zachary Gutierrez -

* 1. *the* ***source code*** *(be detailed about* ***which*** *parts of the system each team member contributed to and* ***how****)*

Devin Moure - Worked on everything.

Ryan Gutierrez -

Zachary Gutierrez -

* 1. *the* ***video or presentation***

Devin Moure - Director, Editor, Voice Actor, Recorder, Producer

Ryan Gutierrez -

Zachary Gutierrez -

1. **Plans for the next increment**

*If this report if for the first or second increment, describe what are you planning to achieve in the next increment.*

We plan on having a fully functional app on the Play Store or ready to be put on the Play Store. Our MVP needs to include: at least two working puzzles, a neat alarm UI, and a neat home UI.

1. **Link to video**

*Paste here the link to your video (only for increment 1 and 2).*

<https://youtu.be/uChZP8Nw6yk>