



IMPLEMENTING FIRST-IN FIRST-OUT(FIFO) QUEUE
ALGORITHM FOR TASK SCHEDULING OF WISP:
AN ASSISTIVE APPLICATION

USER MANUAL



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TASK SCHEDULING OF WISP: AN ASSISTIVE APPLICATION

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Disclaimer

This software project and its corresponding documentation titled "Implementing First-in First-out (FIFO) Queue Algorithm for Task Scheduling of WISP: An Assistive Application" is submitted to the College of Information and Communications Technology, West Visayas State University, in partial fulfillment of the requirements for the degree, bachelor of Science in Information Technology. It is the product of our own work, except where indicated text.

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Troubleshooting

After creating a new child account, the application automatically logs into the child's account.

If parents want to go back to their account, they should first logout of the child's account and then proceed to login into their parental account.

Frequently Asked Questions (FAQs)

Where will be our data stored?

The WISP application uses Firebase database to store your data in the cloud.

How fast can my child see the task after I add it to his/her account?

Storing and syncing of data happens real-time between the users. The task will immediately pop up in your child's account.

Is the application available for iOS?

Unfortunately, no. The WISP application is only available for the Android operating system.

Is WISP free to download and use?

Yes, the application is free to use and is available for everyone that can meet the app's system specifications. (Refer to our system specification list and installation guide in page 4 for more information).

Do I need internet in order to use the app?

Yes, internet is required in order to use the WISP application.

Can I see my child's progress from my account?

Unfortunately, this feature is yet to be added. In order to view your child's progress, you will have to login to his or her account manually.

Getting Started

Introduction

The WISP: An Assistive Technology is a mobile app that aims to assist parents in moderating screen time for their children. Each parent user will be able to:

- Create a parental account
- Add an account for their children
- Create a task for a child
- Select a WISP character for a child

Each child will also be able to:

- See their WISP character's level
- See their list of tasks
- And mark a task as done

System Requirements

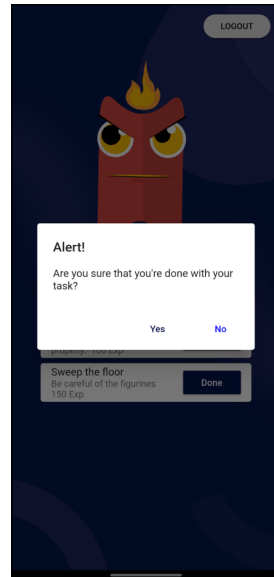
The WISP application requires:

- Android Version 6.0
- Internet connection

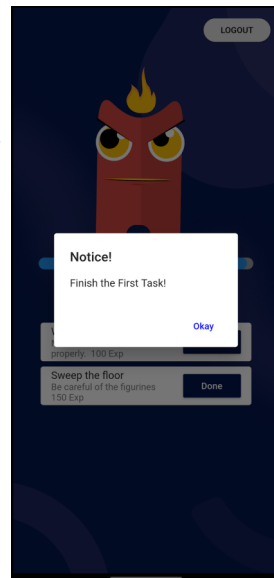
Installation

- Download the WISP .apk file at: <https://bit.ly/3C6zxbR>
- After downloading, open your phone settings and under security tab, allow the "Install applications from unknown sources."
- Proceed to install the .apk file.

- By clicking the "Done" button, a task will be marked completed and the designated experience will be earned by the WISP character.



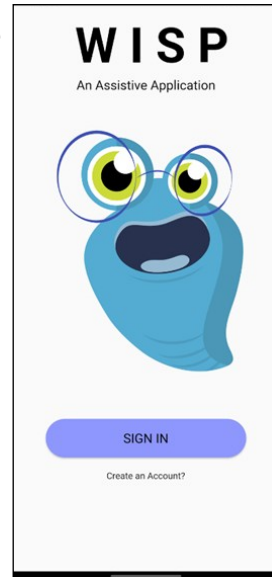
- A child should also complete the tasks assigned according to its order. Completing other tasks before the first task will not be allowed by the application.



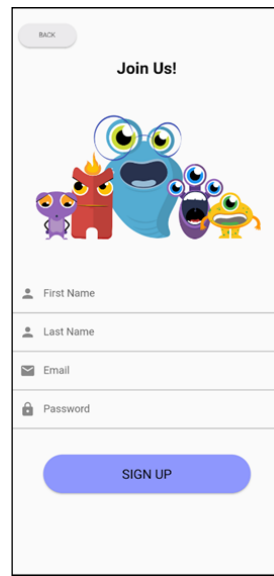
How to use the WISP application

Parent Account

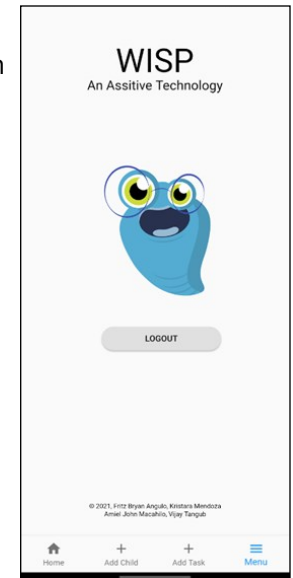
- Upon opening the application, click the “Create an Account?” button below the “Sign In” button. If you already have an account, click the Sign In button.



- In creating an account, you will need to fill out a few details including your first name, last name, email, and password.

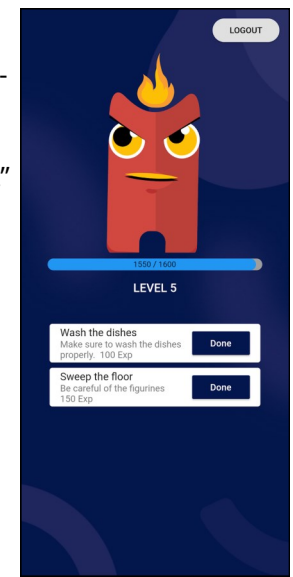


- In the “Menu” tab, the “Logout” button is located as well as the names of the developer of the application.



Child Account

- Upon signing in with their account, a child will immediately their your pending tasks as well as their WISP's progress. Alternatively, they can also log-out of their account using the “Logout” button.



- In the “Add Child” tab, this is where you will be creating the accounts for your child or children. The parent will be the one to create the log in credentials for their child. The parent will be filling out your child’s first name, last name, Email, password, and also choose their WISP character.

- In the “Add Task” tab, this is where a parent will be assigning each child their task. They will be filling out the task name, description, and number of experience the child will earn for their character upon finishing the task.

- After signing up, sign in using the credentials you used.

- Upon logging in, you will first see be directed to the “Home” screen where you are able to see the different accounts of your children.
- At the bottom of the screen, you will next see three (3) other tabs. The “Add Child”, “Add task”, and the “Menu” tab.