

# GRADUATION PROJECT 2

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## Messages Assistant proposal

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## INFORMATION:

A mobile assistant that help people to send messages to others in an automated way and also reply to specific messages if the user asks.

## PROBLEM:

Every person has that need of someone or something that could send messages to others in a specific time, reply to people's messages instead of him, maybe chat with it in the free time.

## MODULES:

- **User module:**

User will have an account could order the assistant to send a message to someone with the ability to send the message later in a specified time and also send a reply in the same time to any traditional questions that the others may send to him. User also could use nicknames for his contacts.

- **Note: Admin will develop the assistant from the google cloud services and no need to make an app for the admin.**

## HOW IT WORKS:

Our project is separated into 2 parts. **First part** is the converter part which convert the voice to a text which machine could understand with NLP. We use google text to speech API for this conversion. **Second part** is the part which do the hard work checking the spelling and the meaning then make the order for that our app will check the spelling and make sure it is correct then the order will be passed to dialog flow to process it after that dialog flow will return some values which will be used to trigger an order.

## TOOLS:

- Android studio.
- Flutter SDK.
- Dart programming language.
- English words package.
- Google Cloud services. (Firebase, Dialog flow, Text to speech)
- Adobe XD.
- Adobe Illustrator.
- Draw.io.