Healing Project

let us go healing!

Prepared by:
Group 004 / FTDS Batch 012 / Hacktiv8

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01
INTRO

A brief of background problems, solution approach, and demo app

PROBLEM STATEMENT

According to research of *The Least and Most Stressful Cities Index 2021* released last year, **Jakarta, Indonesia**, earned the top spot **as the most stressful city** around the world.

Source: The Most Stressful Cities Index 2021 – VAAY

“Duh, gue stres banget tiap hari deadline, mana bos juga killer lagi. Gue butuh banget healing”

— OVERHEARD JAKARTA

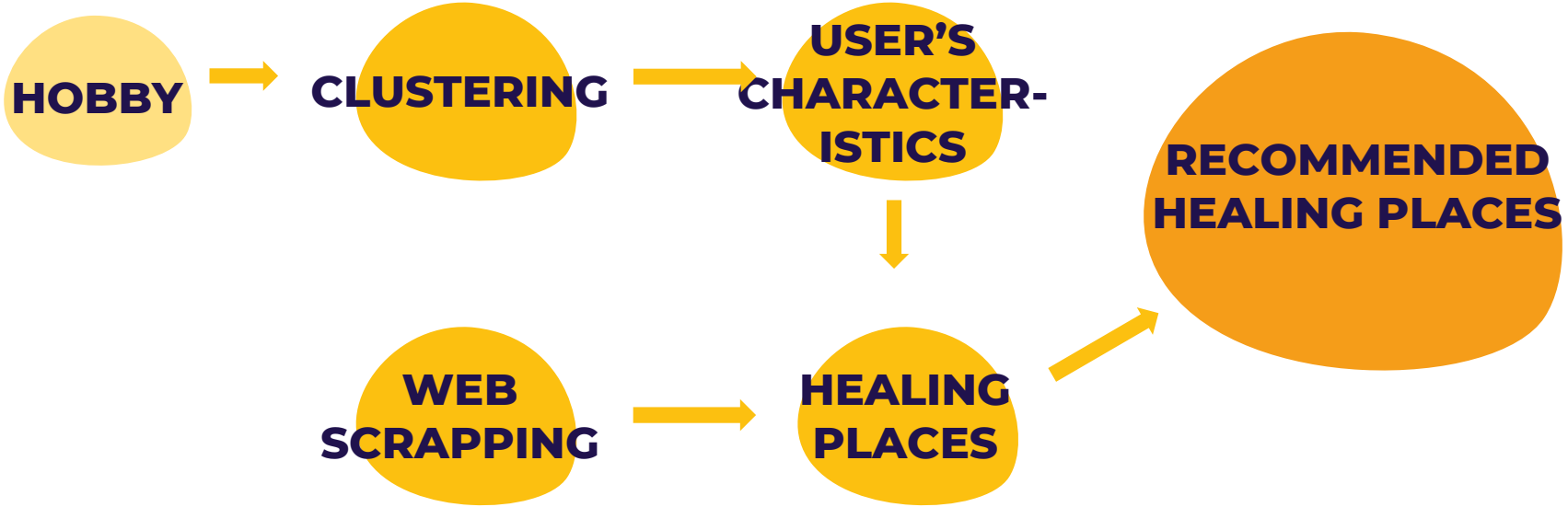
HEALING AS SOLUTION

'Healing' is referred to such activities for treating sadness, overflowing all emotions, or releasing all the burdens that have accumulated in the heart.

HEALING RECOMMENDER

In order to reduce the level of stress of workers in Jakarta, this project we built a recommender system of designated places for ‘healing’ based on their hobbies and popularity preferences.

WORKFLOW OF PROJECT



Healing

HEALING PROJECT OVERVIEW

PERSONALISED

Recommend you a place based on your personal information & hobbies

EASY TO USE

As simple as you fill questionnaire, then healing places is recommended

REDUCING STRESS

A perfect match of recommendation will be reducing your stress and returning your mood again

1

2

3

COMPETITIVE ADVANTAGE

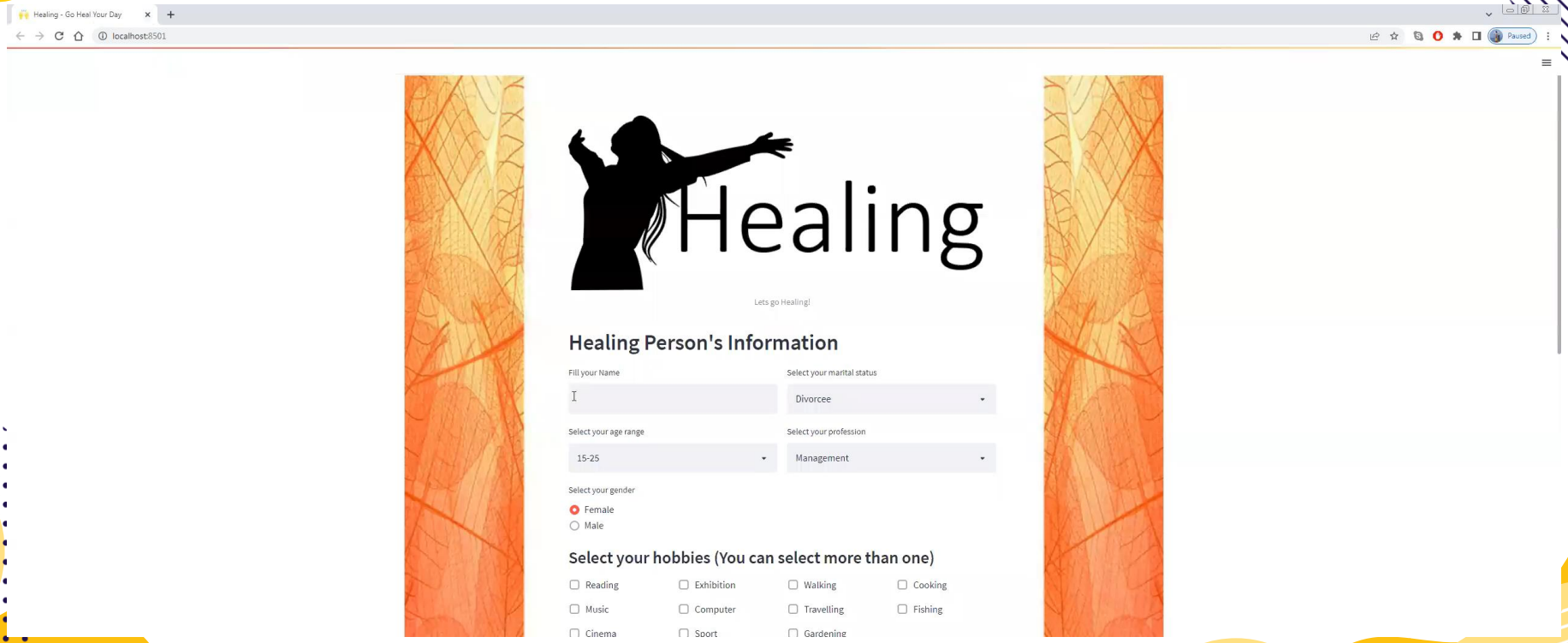
USER

Users will get most suitable recommendation places for healing and reducing stress level

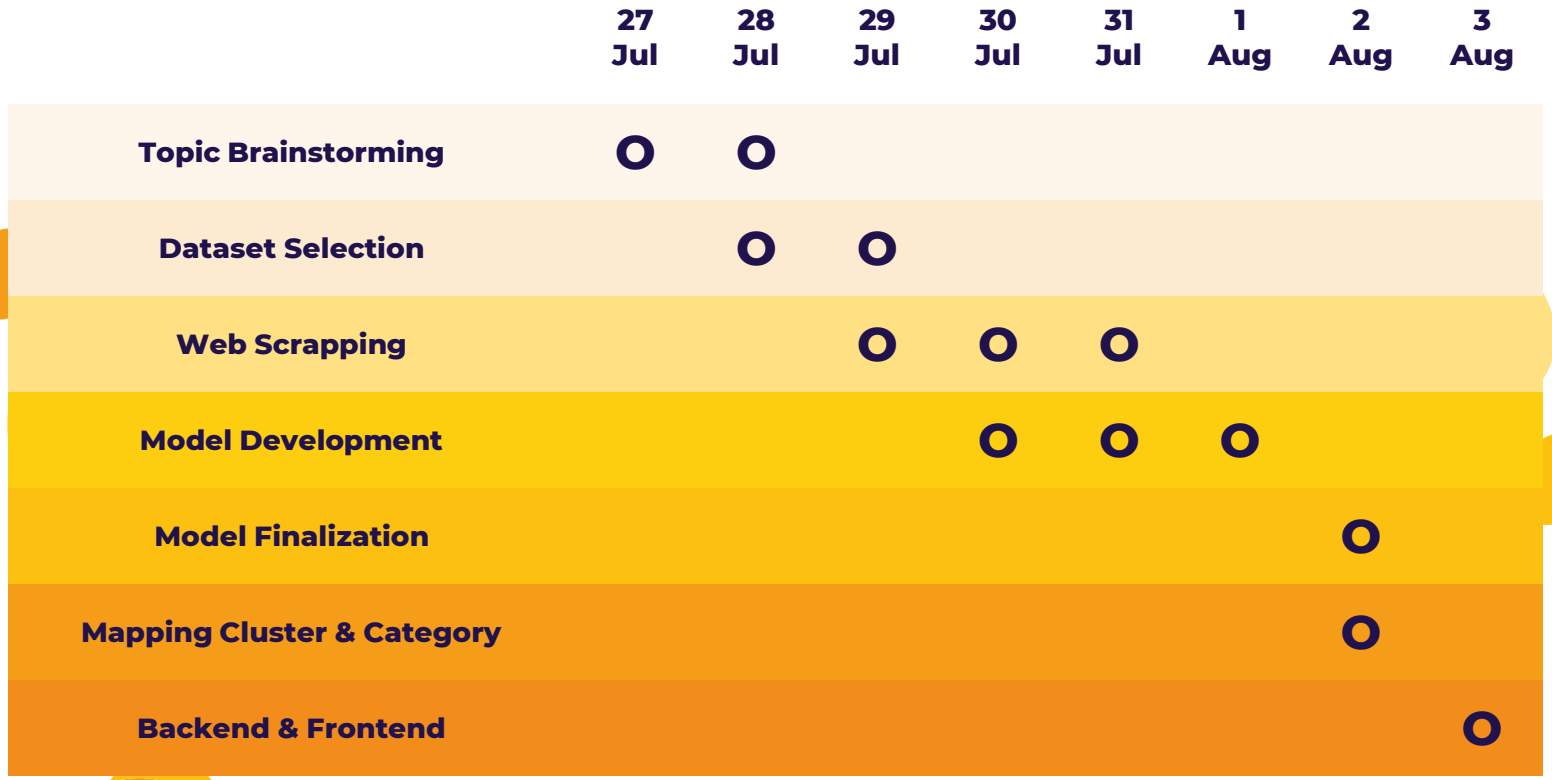
PARTNER

Partner will gain more exposures and profits from visitation and get more positive feedbacks in ratings.

PRODUCT DEMO



TIMELINE OF PROJECT



LIBRARIES & TOOLS

LIBRARIES

Pandas, numpy, matplotlib, seaborn, pydeck, PIL, requests, JSON, streamlit, flask, pickle, kmodes.

TOOLS

Ms. Office, Zoom, Google Meet, Instant Data Scraper, google docs, google slide, google spreadsheet, discord, Kaggle, Heroku.

02
STORIES

challenges during project, and success story

CHALLENGES

FINDING DATASET

Finding suitable dataset which contains hobbies informations

WEB SCRAPING

There are different format and incomplete data in web scraping dataset

MAPPING CLUSTER

Creating and mapping cluster results to place's categories

FRONTEND & BACKEND

Developing more complex interactivity frontend and backend

SUCCESS STORY

Hobbies Clustering

Found out suitable dataset and created clustering model with Kmodes

Web Scrapping

Scrapped 300+ places with different categories from google map

Interactive Frontend

Created interactivity with map included for first time

03
CONCLUSION

Conclusion and future improvement

CONCLUSION

- A recommendation system of healing places shall able to help in reducing stress level of workers in Jakarta
- Hobbies dataset are divided into 4 clusters.
- Each cluster has different place categories combination that chosen based on hobbies in that cluster.
- Places are filtered based on popularity and stress level

FUTURE IMPROVEMENT

- Adding more specific hobbies, place categories
- Adding price filter and multi layers categories to be displayed on the map
- Expanding area services and partners
- Releasing android version

04
ABOUT US

Member introduction and special thanks session

OUR TEAM

DEWI PUSPA

MALVIN SUBAHRI

IRHAM DINAN

SCAN US

DEWI PUSPA

Linkedin:
https://www.linkedin.com/in/gusti-ayu-dewi-puspa-k/

Github:
https://github.com/DepusBuana

SCAN US

MALVIN SUBAHRI

Linkedin:
https://www.linkedin.com
/in/malvinsubahri/

Github:
https://github.com
/Malvinsubahri

SCAN US

IRHAM DINAN

Linkedin:
https://www.linkedin.com
/in/dinanirham/

Github:
https://github.com
/dinanirham

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