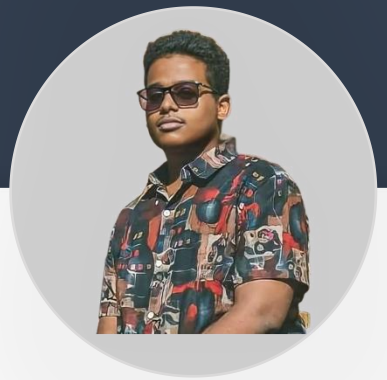
THE BUILDERS



AMRO SHALABI

ZIAD SIDRAN

ALGHIFARY ALSHAYEB

3

2

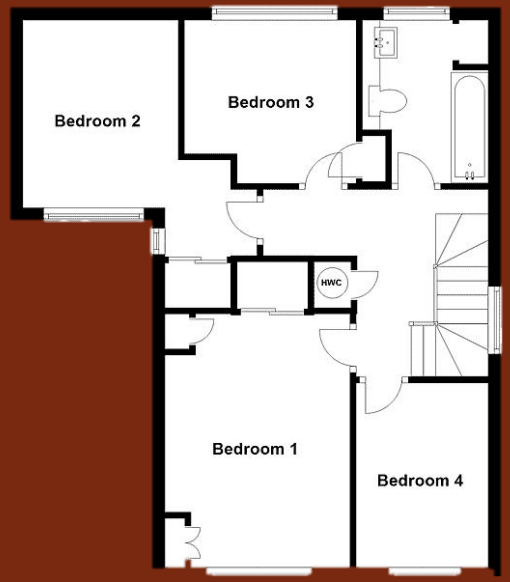
1

PROBLEM STATEMENT

3

K

are



2 FIRST WEEK

CAD DRAWING

PROBLEM STATEMENT

1

3

SECOND WEEK

3D PROGRAMS SOFTWARE

2 PROBLEM STATEMENT

THIRD WEEK

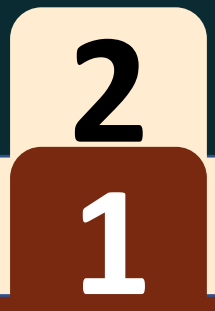
3D VISUALIZATION

3

2

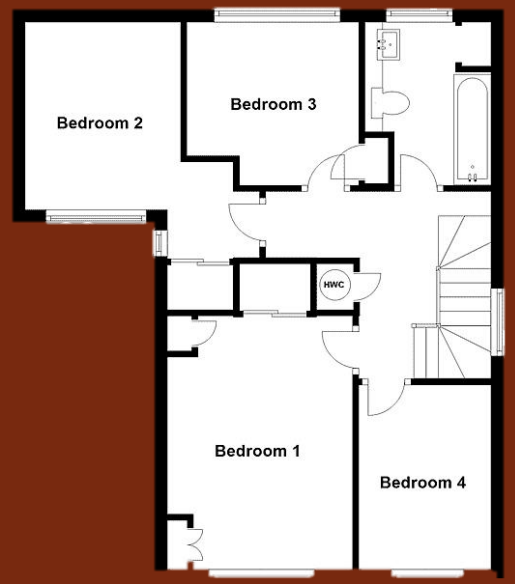
PROBLEM STATEMENT

WHAT IF ?



WHAT IF ?

1



FIRST WEEK CAD DRAWING

WHAT IF ?

2

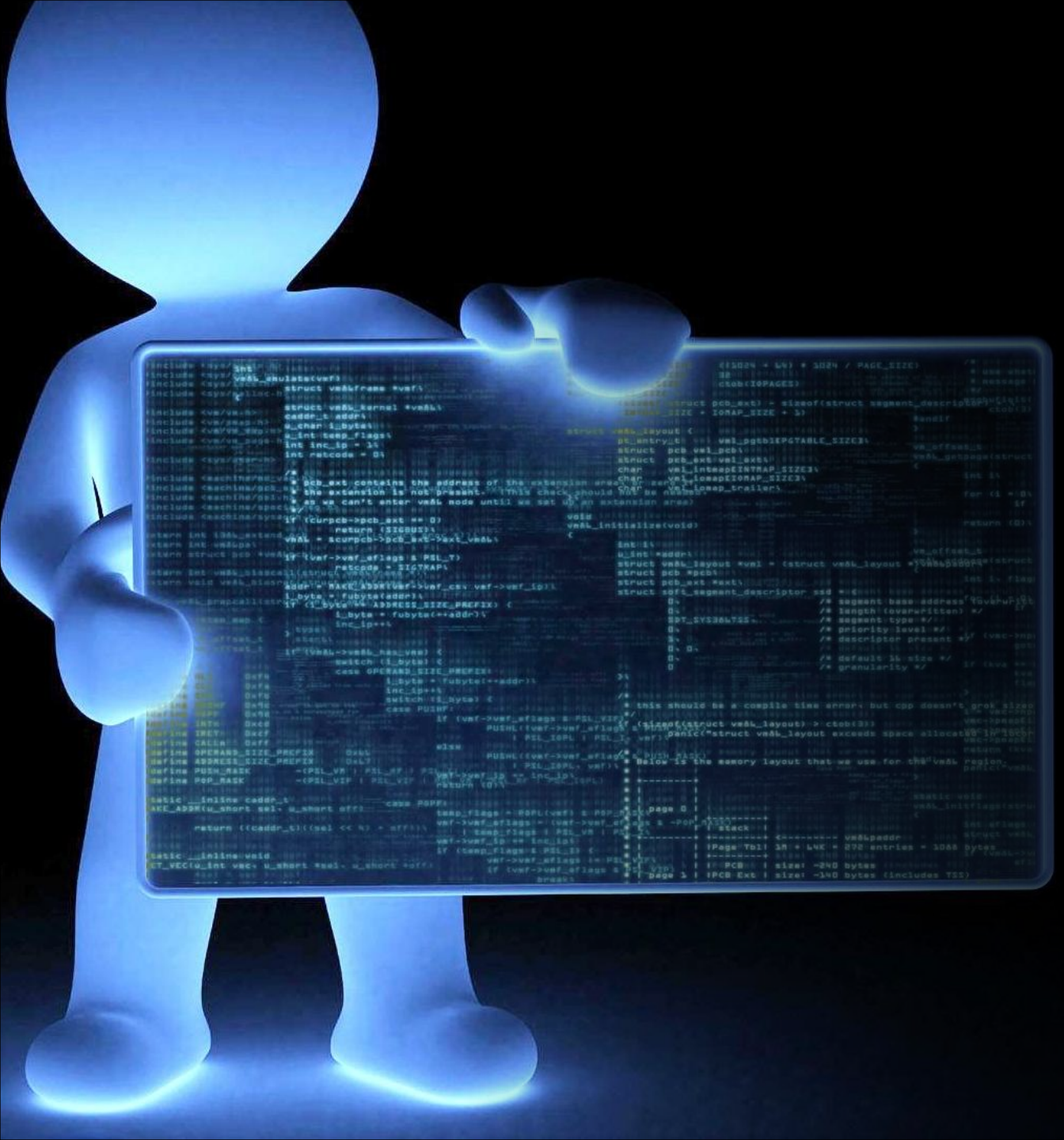
30 SEC LATER

3D VISUALIZATION

1

THE SOLUTION

WE EMPLOY STABLE DIFFUSION TECHNOLOGY AND CONTROL NET FOR PRECISE CAD DRAWINGS, WHILE LEVERAGING OUR PROPRIETARY DREAM BOOTH MODEL TO CAPTURE AND ENHANCE THE LOCAL ARCHITECTURAL STYLE.



TECHNICAL DETAILS

FIRST

- WE CREATED DREAM BOOTH MODELS FOR THE LOCAL STYLE (SALMANI ARCHITECTURE STYLE)

Copy of fast-DreamBooth.ipynb ☆

File Edit View Insert Runtime Tools Help All changes saved

+ Code + Text

Colab Pro notebook from https://github.com/TheLastBen/fast-stable-diffusion

Alternatives : RunPod | Paperspace

Support

```
[ ] from google.colab import drive
    drive.mount('/content/gdrive')
```

```
Mounted at /content/gdrive
```

Dependencies

Show code

```
Installing dependencies...
Done, proceed
```

SECOND

- AFTER TRAINING DOWNLOAD THE MODEL IN STABLE DIFFUSION

Stable Diffusion checkpoint

salmanistyle.ckpt [86b9e33bfc]

txt2img | img2img | Extras | PNG Info | Checkpoint Merger | Train | Settings | Extensions

Prompt (press Ctrl+Enter or Alt+Enter to generate)

Negative prompt (press Ctrl+Enter or Alt+Enter to generate)

Sampling method

Euler a

Sampling steps ٢٠

Restore faces | Tiling | Hires. fix

Width ٥١٢

Height ٥١٢

Batch count ١

Batch size ١

CFG Scale ٧

Seed

-١

Extra

THIRD

- EXPLAIN THE STYLE IN TEXT + NEGATIVE PROMOTE NOTE STYLE KEY WORD IS (SALMANISTYLE)

txt2img | img2img | Extras | PNG Info | Checkpoint Merger | Train | Settings | Extensions

23/75

((salmanisyle)) house , (masterpiece),(high quality), best quality, real,(realistic), super detailed, (full detail),

14/75

(normal quality), (low quality), (worst quality), paintings, sketches,fog

FOURTH

- SET UP THE PARAMETERS

Sampling method

Euler a

Sampling steps

٢٥

Restore faces

Tiling

Hires. fix

Width

٥١٢

Height

٥١٢

Batch count

١

Batch size

١

CFG Scale

٧

Seed

-١

Extra

ControlNet v1.1.179

ControlNet Unit 0

ControlNet Unit 1

Single Image

Batch

Image

FIFTH

- INSERT YOUR CAD DROWNING IN CONTROL NET USING CANNY PRE-PROCESSING MODEL

Single Image | Batch

Image

Set the preprocessor to [invert] If your image has white background and black lines.

Enable | Low VRAM | Pixel Perfect | Allow Preview

Preprocessor: canny

Model: control_sd15_canny [fef5e48e]

Control Weight: ۱ | Starting Control Step: ۰ | Ending Control Step: ۱

Preprocessor Resolution: ٥١٢

Canny Low Threshold: ٥٠

SIXTH

- ENTER GENERATE AND WAIT FOR THE RESULT

23/75

14/75

Generate

Styles

DEMO RESULTS

Discord | Your Place to Talk and

(3) واتساب

Stable Diffusion

127.0.0.1:7860

Google خرائط YouTube Gmail

Stable Diffusion checkpoint

salmanistyle.ckpt [86b9e33bfc]

txt2img | img2img | Extras | PNG Info | Checkpoint Merger | Train | Settings | Extensions

6/75

(salmanistyle) house , realistic

Generate

0/75

Negative prompt (press Ctrl+Enter or Alt+Enter to generate)

Styles

Sampling method

Euler a

Sampling steps ٢٠

Restore faces | Tiling | Hires. fix

Width ٣٢٠

Height ٣٢٠

Batch count ١

Batch size ١

CFG Scale ٧

Seed

-١

Extra

ControlNet v1.1.179

RESULTS

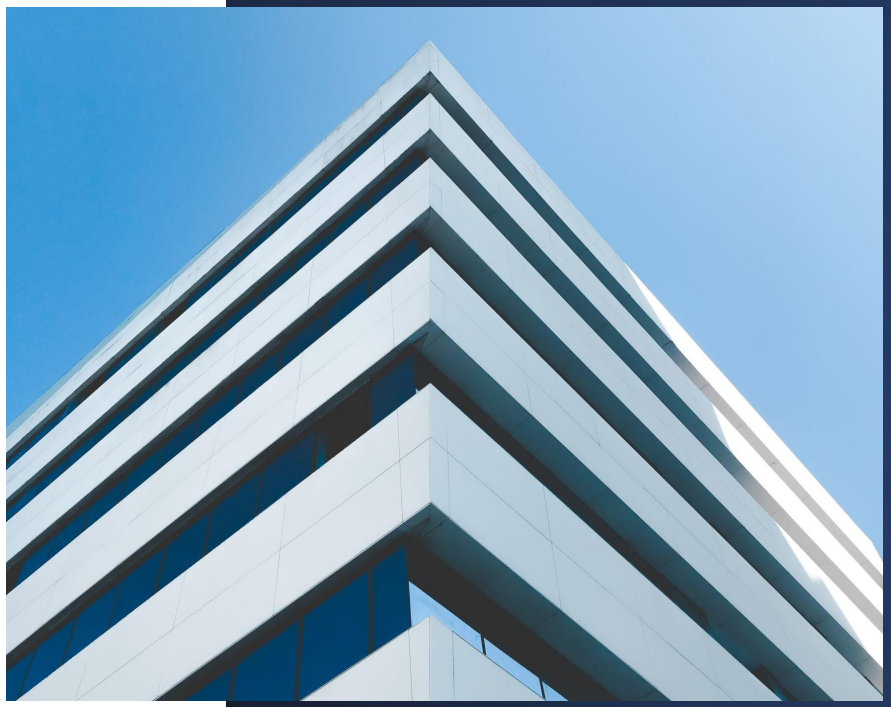
WHAT SETS US APART FROM THE COMPETITORS?

ENHANCED VISUAL REALISM

SIMPLIFIED DESIGN PROCESS

UNIQUE TIME-SAVING UP TO 66%

SHOWCASES DIFFERENT STYLE FOR THE SAME BUILDING



SHOWCASES DIFFERENT STYLE FOR THE SAME BUILDING

HOW CAN WE MAKE MONEY?

OFFER PROFESSIONAL SERVICES SUCH AS RENDERING SERVICES, ARCHITECTURAL VISUALIZATION RENDERS FOR ARCHITECTURE OFFICES

WE CAN OPERATE 75% CHEAPER THAN THE MARKET

FUTURE DEVELOPMENTS

PROVIDE VALUE-ADDED SERVICES SUCH AS CUSTOMIZATION, TRAINING, AND TECHNICAL SUPPORT

- WITH AN ESTIMATED SETUP TIME OF 3 MONTHS, OUR SOLUTION CAN BE UP AND RUNNING, ENABLING ARCHITECTS AND DESIGNERS TO START LEVERAGING ITS BENEFITS WITHIN JUST 6 MONTHS

COLLABORATE WITH ARCHITECTURAL FIRMS TO REFINE THE STABLE DIFFUSION MODEL
CUSTOMIZE THE PLATFORM WITH ARCHITECTURAL STYLES ALIGN IT WITH THE REGIONAL DESIGN AESTHETICS