brain storming :- core of bmp proj

~~Date~~

on Bmp

* main user steps and program *

→ **Main menue** :

→ Edit Image → see Image Specification
→ Quit + (dump log) → About
→ later at enhancing error han[dling]

→ **Inside** Edit Img :-

① Import your original Image (.bmp)

→ 1 check.magic_sign()
and
2 check.is_compressed()
and
3 ~~check...~~ check.is_padded()
and
4 check.correct_offset()
extra
5 check.DIB_header_sz()
6 check.

{later auto predict background auto} ← original background menu:

* white (± range) → all channel if all same va[lue]

* ~~Black~~

* ② Import desired background
inside → 1 check size()
2 resize()
3 Alert Aspect ratio()

→ Import new background
→ Quit ,

③ * final menue :
* save and Quite
* ~~...~~ restart

* error menue :
→ quite
→ restart

CS CamScanner

Date

Assumptions

* detect back ground core mechanics :-

* blocks of 4x4 pixels (assumption)
  average of them must be in whitish
  Accepted range

  or

  → Set another Accepted range or formula

  → check on 1x1 block pixles

* Algorithim will work from outside "borders" to inside Stoping and marking person border pixles.

* will goo row by row

* Colms will start incrementing from both sides with 2 pointers

* Stop if found pixel or block Average not in range and mark this not (whitish pixel)

* or stop if pointer1_indx == pointer2_indx

* we could do it in recursion but it's only necessary if we start inside out!

* between legs will not be detected.

for Whitish Back ground

663
688
714
688
663
688
714
688
663
688
714
765
672

So range:
765 ≥ Sum of 3 chanels ?? 665

* special
* Cases
* also Accept them to be whitish:

192*3
160*3
188*3

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Assumptions

* [redacted] program not capable to process :-

* multiperson Images.
* Shadows (minimize them as possible)
* flaying "scattered" long hair
* whitish hair - clothes - shoes "cloth could have white from inside not borders"
* Images with person wearing shorts
  "please wear pant it's cold inside cpp"

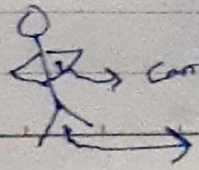
* if persons full body in Image

  [redacted] what's between hands, legs will not be detected

  → "only hands can be detected if we used recursion"

  → legs (between) could be detected if we scanned each single pixel → higher time cmp → many noise will appear maybe → solve it with filters (weine or median filter)

  → So please close your Legs, and hand is [redacted] (no closed loops inside your body)



*Possible solution => add some rows under legs so recursion works

Date

* basic classes

struct

→ Elmenues [redacted],

bmb_header class

bmb_mob class

Image-process class (parent)

background detector class

method

filter class

→ Also Log class (later)

end of draft

on bmp proj.

2/Dec/22