REGISTER FLOW

```
start
  │
  ▼
Load referral
input page
  │
  ▼
Input referral
code  ◄──────────────┐
  │                  │
  ▼                  │
GET /api/verify/referral-
code                 │
  │                  │
  ▼                  │
Is valid ──no──► Navigate to
  │              /register?
  │yes           code=-1
  ▼
Load
registration form
page
  │
  ▼
Input
password,
security text,  ◄───────┐
email,passwor          │
d repeat               │
  │                    │
  ▼                    │
Is the                 │
password ──no──► Highlight
valid?           errors
  │yes             ▲
  ▼            no  │
Is the             │
mail ──────────────┤
valid              │
  │yes         no  │
  ▼                │
Is the             │
security ──────────┘
text
valid?
  │yes
  ▼
TextHash :=        MasterKey := Hmac Key        ECDHPair :=
sha256sum(sec ──► Derivation(TextHash, no ──► generate_random_pair
Text)             salt, 32)                    (P-256)
                                                    │
                                                    ▼
Throw error  ◄──yes── Did any ◄── ECDHPubPem :=
and halt              errors      PEM(ECDHPair.Public)
                      occur?
                        │No
                        ▼
                  Post /api/user/register
                        │
                        ▼
Load user created ◄─yes── StatusCode ──no──► Load error page
page                     = 201?               with status code
  │                                                │
  ▼                                                ▼
Security text ──► STOP ◄── Error code
                          and
                          message
```