

CRUD OPERATION

A total of 6 functions were created-

create()-(Update) takes a message as an input.

read()-(Query) takes message id as input.

update()-(Update) takes a message id and new message as an input.

delete()-(Update) takes an id as an input.

latest_post()-(Query) no input.

get_posts()-(Query) takes page size and number of elements in a page as an input.

create(),read(),update()

Canister ID: bkzy2-fmaaa-aaaa-qaaaq-cai

∞ LOGIN

CALLRANDOM

```
latest_post: () → (vec record {id:nat64; text:text})
```

CALLRANDOM

(vec {record {id=22; text="its the 13th message"; record {id=21; text="12"; record {id=20; text="11"; record {id=19; text="10"; record {id=18; text="9"; record {id=17; text="8"; record {id=16; text="7"; record {id=15; text="6"; record {id=14; text="5"; record {id=13; text="index 13"}}}}}}}} (2.111s)

```
read: (nat64) → (record {id:nat64; text:text})
```

CALLRANDOM

(record {id=13; text="index 13"}) (2.093s)

```
update: (nat64, text) → ()
```

OUTPUT LOG

⌚

⋮

> latest_post()

(vec {record {id=21; text="12"; record {id=20; text="11"; record {id=19; text="10"; record {id=18; text="9"; record {id=17; text="8"; record {id=16; text="7"; record {id=15; text="6"; record {id=14; text="5"; record {id=13; text="4"; record {id=12; text="yoked"}}}}}}}})

> create("its the 13th message")

()

> read(13)

(record {id=13; text="4"})

> update(13, "index 13")

()

> read(13)

(record {id=13; text="index 13"})

> latest_post()

(vec {record {id=22; text="its the 13th message"; record {id=21; text="12"; record {id=20; text="11"; record {id=19; text="10"; record {id=18; text="9"; record {id=17; text="8"; record {id=16; text="7"; record {id=15; text="6"; record {id=14; text="5"; record {id=13; text="index 13"}}}}}}}})

Latest post(),delete()

Canister ID: bkyz2-fmaaa-aaaa-qaaaq-cai

∞ LOGIN

(vec {record {id=22; text="its the 13th message"}; record {id=21; text="12"}; record {id=20; text="11"}; record {id=19; text="10"}; record {id=18; text="9"}; record {id=17; text="8"}; record {id=16; text="7"}; record {id=15; text="6"}; record {id=14; text="5"}; record {id=13; text="index 13"}}})

(2.111s)

read: (nat64) → (record {id:nat64; text:text})

13

CALL

RANDOM

(record {id=0; text="Message not found."})

(2.115s)

update: (nat64, text) → ()

13

index 13

CALL

RANDOM

()

(2.114s)

OUTPUT LOG

text="6"}; record {id=14; text="5"}; record {id=13; text="4"}; record {id=12; text="yoked"}}))

> create("its the 13th message")

()

> read(13)

(record {id=13; text="4"})

> update(13, "index 13")

()

> read(13)

(record {id=13; text="index 13"})

> latest_post()

(vec {record {id=22; text="its the 13th message"}; record {id=21; text="12"}; record {id=20; text="11"}; record {id=19; text="10"}; record {id=18; text="9"}; record {id=17; text="8"}; record {id=16; text="7"}; record {id=15; text="6"}; record {id=14; text="5"}; record {id=13; text="index 13"}})

> delete(13)

()

> read(13)

(record {id=0; text="Message not found."})

Pagination - get_posts()

Canister ID: bkyz2-fmaaa-aaaa-qaaaq-cai

∞ LOGIN

CALL

RANDOM

get_posts: (nat64, nat64) → (vec record {id:nat64; text:text})

0

16

CALL

RANDOM

(vec {record {id=12; text="13"}; record {id=11; text="12"}; record {id=10; text="11"}; record {id=9; text="10"}; record {id=8; text="9"}; record {id=7; text="8"}; record {id=6; text="7"}; record {id=5; text="6"}; record {id=4; text="5"}; record {id=3; text="4"}; record {id=2; text="3"}; record {id=1; text="2"}; record {id=0; text="1"}}})

(2.149s)

latest_post: () → (vec record {id:nat64; text:text})

CALL

RANDOM

(vec {record {id=12; text="13"}; record {id=11; text="12"}; record {id=10; text="11"}; record {id=9; text="10"}; record {id=8; text="9"}; record {id=7; text="8"}; record {id=6; text="7"}; record {id=5; text="6"}; record {id=4; text="5"}; record {id=3; text="4"}})

(2.104s)

OUTPUT LOG

text="10"}; record {id=8; text="9"}))

> get_posts(0, 10)

(vec {record {id=12; text="13"}; record {id=11; text="12"}; record {id=10; text="11"}; record {id=9; text="10"}; record {id=8; text="9"}; record {id=7; text="8"}; record {id=6; text="7"}; record {id=5; text="6"}; record {id=4; text="5"}; record {id=3; text="4"}})

> get_posts(0, 12)

(vec {record {id=12; text="13"}; record {id=11; text="12"}; record {id=10; text="11"}; record {id=9; text="10"}; record {id=8; text="9"}; record {id=7; text="8"}; record {id=6; text="7"}; record {id=5; text="6"}; record {id=4; text="5"}; record {id=3; text="4"}; record {id=2; text="3"}; record {id=1; text="2"}})

> get_posts(0, 16)

(vec {record {id=12; text="13"}; record {id=11; text="12"}; record {id=10; text="11"}; record {id=9; text="10"}; record {id=8; text="9"}; record {id=7; text="8"}; record {id=6; text="7"}; record {id=5; text="6"}; record {id=4; text="5"}; record {id=3; text="4"}; record {id=2; text="3"}; record {id=1; text="2"}; record {id=0; text="1"}})