

Firestore Database format – Voice Capsule by the Voice Capsulators, Revision Date 12/01/2021

Firestore Database Notation

- [Collection]
 - [[Document]]
 - Field name: value
 - Map name
 - {key: value}
 - {key: value}
 - ...
 - [Collection]
 - [[Document]]
 - Fields

Firestore Database Format

- [add_friends]
 - [[all_users]]
 - <user email>
 - {<user display name>: <UID>}
 - ...
- [users]
 - [[<UID>]]
 - contacts
 - {<friend email>: <friend display name>}
 - ...
 - email: <user email>
 - name: <user display name>
 - requests
 - {requesting email: <requesting display name>}
 - ...
 - uid: <UID>
 - [capsules]
 - [[pending_capsules]]
 - <capsule name>
 - {open_date_time: <date/time can be opened>}
 - {sender_name: <sender's display name>}
 - {sender_uid: <sender's UID>}
 - {storage_path: <file path in Firebase Storage>}
 - ...

- [[sent_capsules]]
 - <capsule name>
 - {open_date_time: <date/time can be opened>}
 - {receiver_name: <receiver's display name>}
 - {receiver_uid: <receiver's UID>}
 - {send_date_time: <date/time capsule was sent>}
 - ...
- ...

Example Firestore Database Population

- [add_friends]
 - [[all_users]]
 - bananaslug@ucsc.edu
 - {"Sammy Slug": itQ1KAEtBgR0LnwimjtdatNfo8h1}
 - sweaver246@gmail.com
 - {"Sigourney Weaver": ZRxoV3OqDkXNvl3bUaeGtKSNmll1}
 - run4est@yahoo.com
 - {"Tom Hanks": cCzctpcpH0Noi3undiHe75U9vW03}
 - kreeves@gmail.com
 - {"Keanu Reeves": 58PXy8vHFRWUmeYUZCfCrQ2X8Zy2}
- [users]
 - [[itQ1KAEtBgR0LnwimjtdatNfo8h1]]
 - contacts
 - {sweaver246@gmail.com: "Jordan Smith"}
 - {run4est@yahoo.com: "Tom Hanks"}
 - email: bananaslug@ucsc.edu
 - name: "Sammy Slug"
 - requests
 - {kreeves@gmail.com: "Keanu Reeves"}
 - uid: itQ1KAEtBgR0LnwimjtdatNfo8h1
 - [capsules]
 - [[pending_capsules]]
 - ...
 - [[sent_capsules]]
 - "outgoing_itQ1KAEtBgR0LnwimjtdatNfo8h1_2021-11-29_16-29-23-754378"
 - {open_date_time: "2021-11-29 16:29:00"}
 - {receiver_name: "Sigourney Weaver"}
 - {receiver_uid: ZRxoV3OqDkXNvl3bUaeGtKSNmll1}
 - {send_date_time: "2021-11-28 12:46:13.465387"}
 - ...
 - [[ZRxoV3OqDkXNvl3bUaeGtKSNmll1]]
 - contacts

- {kreeves@gmail.com: "Keanu Reeves"}
- email: sweaver246@gmail.com
- name: "Sigourney Weaver"
- requests
 - {bananaslug@ucsc.edu: "Sammy Slug"}
 - {run4est@yahoo.com: "Tom Hanks"}
- uid: ZRxoV3OqDkXNvI3bUaeGtKSNmll1
- [capsules]
 - [[pending_capsules]]
 - "outgoing_itQ1KAETBgR0LnwimjtdatNfo8h1_2021-11-29_16-29-23-754378"
 - {open_date_time: "2021-11-29 16:29:00"}
 - {sender_name: "Sammy Slug"}
 - {sender_uid: itQ1KAETBgR0LnwimjtdatNfo8h1}
 - {storage_path: "ZRxoV3OqDkXNvI3bUaeGtKSNmll1/outgoing_itQ1KAETBgR0LnwimjtdatNfo8h1_2021-11-29_16-29-23-754378.mp4"}
 - ...
 - [[sent_capsules]]
 - ...