

## DIARY OF SAILOR

turn sailor's daily job into an interesting journey, which captivates family and friends, by creating a personal daily sailor's diary. diary created by mixing sailors personally provided contents during day with publicly available contents, applying maritime context as well as context-relevant interesting, insightful and funny contents.

terminology:

- sailor: mariner/seaman working onboard commercial vessel
- subscriber: family, friend, colleagues of sailor, subscribed by sailor or self-request subscribe from public portal to receive daily diary
- admin: arl logins, cloud/platform admins
- ship manager: company assigning sailor to vessel
- diary: daily contents produced by cloud AI mixing personal and public contents
- assignment: sailor's assignment to specific vessel providing indirect access to vessel, route, location, next/current port, weather public data, more

typical use case: sailor add daily short texts, photos, videos, audio on own smartphone while sailing, when in port or when enroute from home to embarkation port/ from disembarkation port to home; sailor provided contents is sync'ed to cloud when internet available.

## NON-FUNCTIONAL

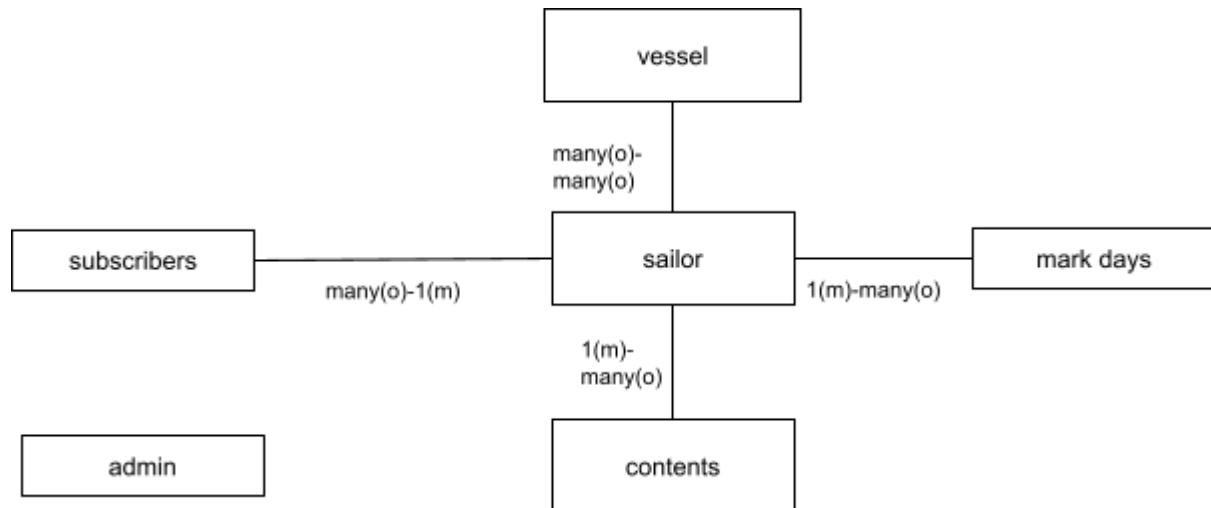
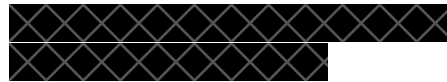
execution: cloud portal (web, hosted on GCP or Azure) and Android/iOS devices (sailor's app). scalable cloud, multi-tier:

- 20million+ subscribers
- 5million+ sailor contents (text, photos, mini-video/audio) synced from smartphones to cloud per day
- 100million+ extracts/queries per day

mainstream cloud (web) and Android/iOS development tools, limited use of niche tools

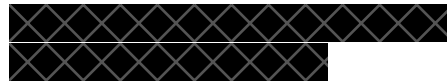
## FUNCTIONAL

table	key	update from
vessel	IMO(7-digit number)	pre-loaded, later UI
sailor	name	cloud
mark days	<sailor>+<serial>	cloud
subscriber	<sailor>+email	cloud
contents	<sailor>+timestamp	smartphone
admins	email	cloud



## mockup public site





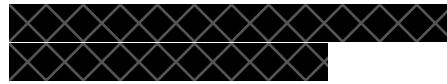
legend



- green: type part of sailor's name
- blue, select sailor, popup to input subscriber name and email
- yellow: sailor's controls

cloud public portal:

- sailors' directory with name search & select
- subscriber: request diary subscribe, name and email popup; confirmed by sailor on smartphone, check f/ valid email syntax
- sailor controls:
  - request smartphone pair code: email to sailor (email with fixed text w/ Google Play and Apple Store app download links, and newly generated unique smartphone pair code)
  - add mark date, popup with
    - mark
    - date
    - every year Y/N
 f.ex. "Christmas 24dec", "Aunt Jennie's Birthday 4Jan"
  - add assignment, popup with (fields in sailor table, display existing values):
    - from-date (mandatory)
    - embark (text, optional) later: select port from pre-loaded list
    - vessel (mandatory, dropdown pre-loaded list with name, type, IMO, filter on part of name)
    - ship manager (optional, text)
 sailor access: email one-time login code to sailor email if not already logged in, popup requesting one-time login, login disabled if inactive for one hour (then sailor need to request a new one-time login by email)
- add sailor:



- name (mandatory)
- email (mandatory, check f/ valid email syntax)
- country (drop-down, mandatory)
- language (drop-down, mandatory)
- subscribers list (semicolon separated emails)

upon signup complete, email fixed text w/ Google Play and Apple Store app download links, and generated unique smartphone pair code.

cloud admin: <site>/admin with admin user login (email and password)

- admins: grid w/ add/delete/update (email+pw)
  - email
  - password and confirm password
- sailors: grid w/ line-selector and bulk-update popup, bulk-(soft)delete later: bulk import/add (if receive list of sailors from ship manager for bulk create)
  - email
  - name
  - country
  - language
  - public Y/N (if public=N, publish diary to private channels only)
  - active/inactive (only publish diary if active)
  - list of sailor's subscribers
  - list of sailor's mark days
  - list of sailor's contents
  - later: vessel grid (line add, update and (soft-)delete (100k) name, type, IMO, callsign, MMSI, length, beam, type, photos, videos)

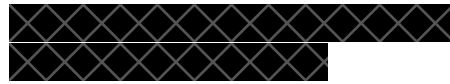
later: batch job for cloud contents cleanup

later: regular emails to prompt for profile completion, adding more contents++

## SMARTPHONE (Android and iOS)

upon receiving email with Google Play and Apple Store app download link, and generated pair code, sailor install app and one-time pair with emailed pair code, add profile photo(s) and 5sec video(s) (minimum one photo is mandatory). now sailor smartphone is permanently paired to sailor's cloud account. pair code valid for 72 hours.

- add diary entries: posts with text, photos, 5sec video(s), 5sec audio(s), "restricted" checkbox/mark
- tag all diary entries (mandatory to tag): deck, office, engine room, bridge, saloon, cabin, galley, mess hall, gym, pool, hospital, prayers' room, cargo hold, tank, gangway, quay, port, city, restaurant, casino, theatre, shop, embark, disembark
- secondary menu:
  - active/inactive switch
  - pending subscriber(list) confirm or reject



- about
- later: history w/ edit
- later: profile w/ edit, photo/video/audio add/remove
- later: subscribers list w/ add/remove
- later: mark days w/ add/remove
- later: notification settings

all sync'ed contents deleted from smartphone. notify when new subscribe-request from portal.