### Project Name

1. Safety Zone

### User Stories

**As a CF member**, when I see a flight safety issue,

**I want** to immediately and conveniently report it,

**In order to** facilitate flight safety investigations,

**As Director of Flight Safety**, when there is a flight safety issue,

**I want** to immediately be informed,

**In order to** respond sooner,

**As Director of Flight Safety**, when there is a flight safety issue,

**I want** a centralized registry of incidents,

**In order to** monitor situations and maintain awareness,

### Roles

1. CF member
2. Flight Safety personnel

### Workflow

1. CF member notices flight safety incident
2. CF member fills in online form and submits to create a flight safety notification (status “submitted”)
3. Notification is sent to director of flight safety via email.
4. Flight safety investigation is initiated. Status changed to “under investigation” and point of contact added
5. Flight safety investigation is completed. Status changed to “investigation completed” and recommendation added

### Features

1. Common
   1. Web Form to submit flight safety incident reports to generate notification
   2. Registry of previously submitted flight safety incident reports
2. Flight Safety Personnel
   1. Log in and log out
   2. Change status of flight safety notification

### Data Model

1. User
   1. Username
   2. Password
2. Flight Safety Report
   1. Contact\_number – cellphone number of person reporting
   2. Contact\_email – email of person reporting
   3. Date\_time – date and time of incident
   4. Location – location of incident
   5. Description – description of incident
   6. Status - “submitted”, “under investigation”, “completed” (initial = submitted)
   7. Point\_of\_contact – contact info of assigned flight safety investigator (optional field not initially needed, to be filled by flight safety personnel)
   8. Recommendation – reccomednation to prevent repeat of incident (optional field not initially needed, to be filled by flight safety personnel when complete)

### Views

|  |  |  |
| --- | --- | --- |
| # | path | description |
| 1 | / | Web form to submit flight safety notification |
| 2 | /reports | Show list of previously submitted notifications |
| 3 | /reports/:id | Show individual flight safety notification. If user is authenticated, can change fields. Else, just show data |
| 4 | /about | General info on the web app |

### API Routes

1. /api/FlightSafetyReports
   1. POST
   2. GET
2. /api/FlightSafetyReports/:id
   1. PUT

### Technologies

1. **Front-end**
   1. Plain HTML
   2. Plain JS (Fetch)
2. **Back-end**
   1. Django
   2. Django-REST Framework