

DESIGN DOCUMENT – RAKATHON 2019

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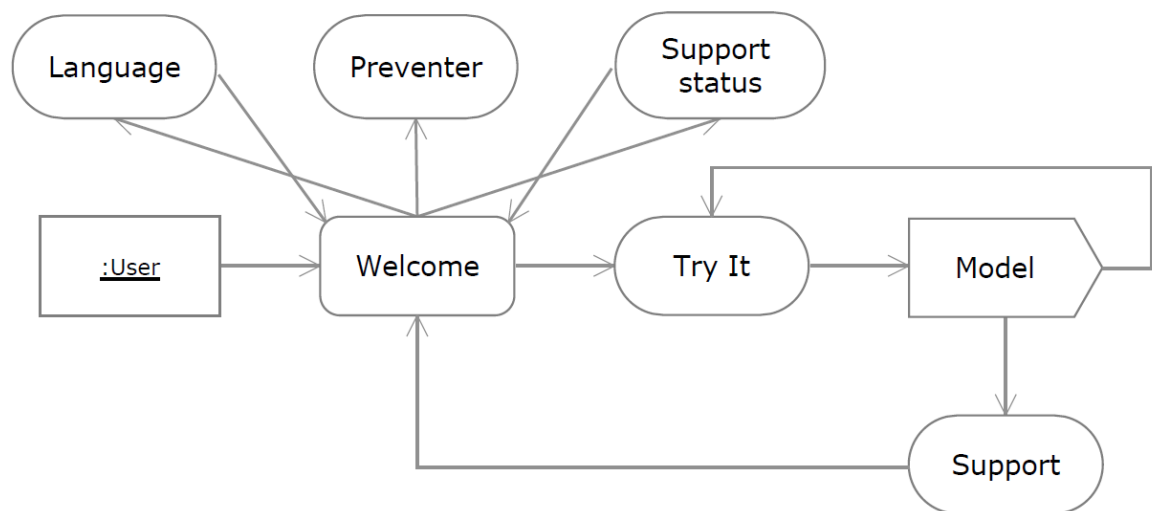
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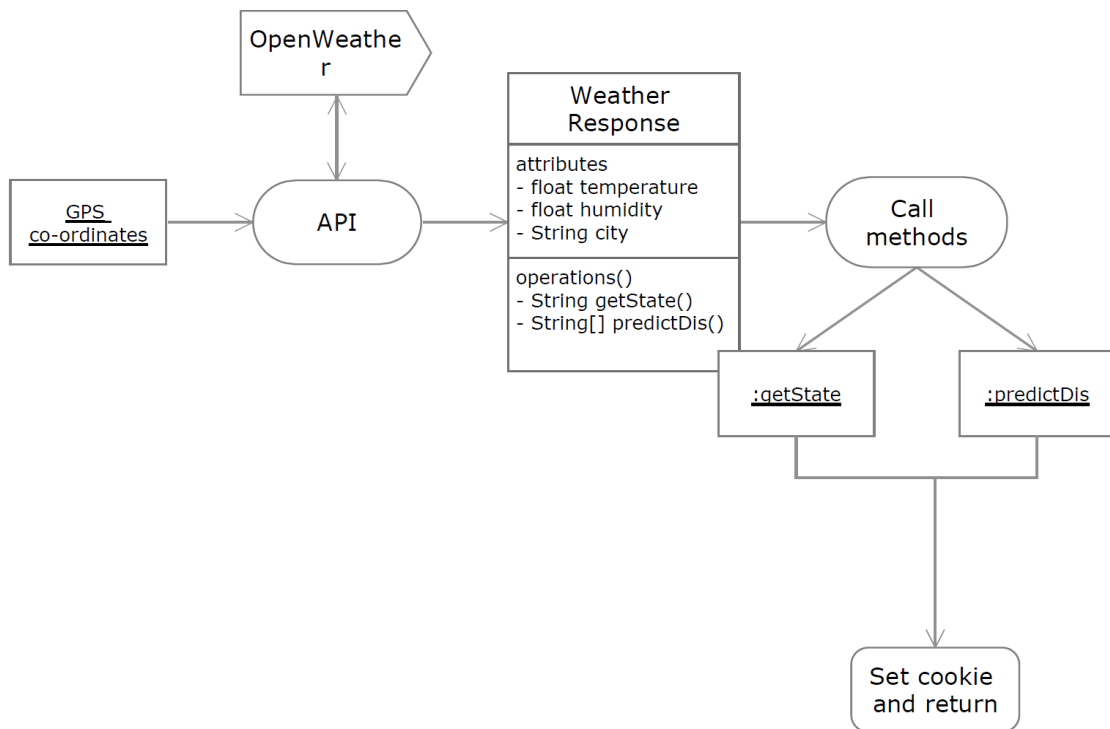
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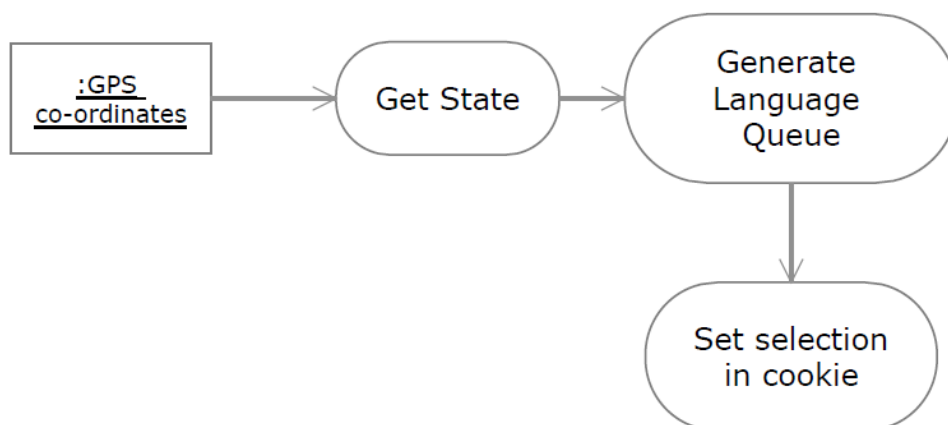
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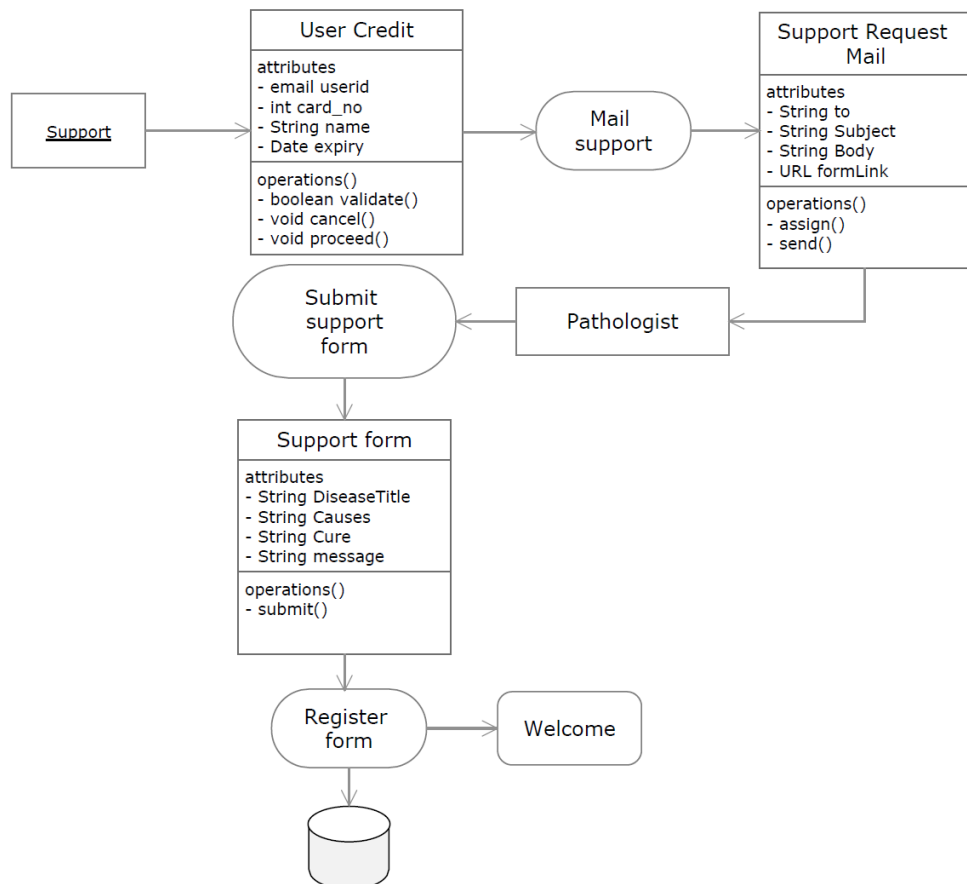
- PREVENTER DFD



- LANGUAGE DFD



- SUPPORT DFD



PROCEDURES

PREVENTER

- `String [] predictDis(temp, humid)`
 - o Uses ensemble ML to return array of top '3' probably diseases.
 - o (Optional) Uses prediction accuracies sort return array in a priority queue
- `(float temp, float humid) location.getTempHumid()`
 - o Calls openweathermap API to get temperature and humidity

LANGUAGE

- `String getState(lat, lon)`
 - o gets which state in country by GPS coordinates
- `void setLang()`
 - o generates priority queue by using state
 - o sets language cookie

SUPPORT

- `boolean userCard.validate()`
 - validates card number
- `void userCard.cancel()`
 - cancels transaction
- `void userCard.proceed()`
 - submits card details
- `String srMail.assign()`
 - Sets pathologist from pool
 - Returns email of pathologist
- `void srMail.send()`
 - Send mail to pathologist
- `void form.submit()`
 - Submits form filled by pathologist