

## Face2Name: Sprint 3 Plan

### Task List

- I. As a user, I want the app to be able to track faces on the screen.
  - A. Fix possible error case in bitmap extraction (2 hours)
- II. As a user, I want the app to be able to identify faces on the screen.
  - A. Setup OpenCV+Dlib environment (4 hours)
  - B. Scale up face rectangles (2 hours)
  - C. Implement image normalization code (6 hours)
  - D. Implement facial recognition code (10 hours)
- III. As a user, I want to select a person's face on the screen and have the app retrieve their name from a local database (if it has it).
  - A. Clear name box when user deselects (1 hour)
- IV. As a user, I want to be able to assign a name to a person the app doesn't recognize.
  - A. Add logic to query identity database to see if an entry exists (1 hour)

### Task Assignment

| Name             | Role(s)                      | Task                 |
|------------------|------------------------------|----------------------|
| Micah Duron      | Project Owner<br>Developer   | I<br>II<br>III<br>IV |
| Christopher Myau | Co-Scrum Master<br>Developer | II                   |
| Evan Louie       | Co-Scrum Master<br>Developer | II                   |
| Sam Gabbard      | Developer                    | II                   |
| Cory Super       | Developer                    | II                   |