

CSU Red Folder Initiative

CSU Initiative to Provide Community Resources to Support Students in Distress

- Hard Copy Materials
- Desktop Icon
- App

CSUSB Partnership – Professor Concepcion

- Red Folder App Creation, Development, and CSU Adaption

CARE Team Rollout

- Target is December 2014 – Pending ADA approval on Desktop Icon

DISRUPTIVE OR DISTRESSED

DISRUPTIVE STUDENT

A student whose conduct is clearly and imminently reckless, disorderly, dangerous, or threatening, including self-harmful behavior.

TO GET HELP

If you are concerned for your own or others safety due to a student's disruptive and/or threatening behavior, call 911 or the Campus Police Department.

REPORT INCIDENT TO

Campus Police Department

DISTRESSED STUDENT

A student with persistent behaviors such as

- Overly anxious
- Lacks motivation and/or concentration
- Sad
- Seeks constant attention
- Irritable
- Demonstrates bizarre or erratic behavior
- Withdrawn
- Expresses suicidal thoughts
- Confused

IF A STUDENT IS CAUSING A DISRUPTION BUT DOES NOT



RESOURCES & TIPS:

BE PROACTIVE: Engage students early on, pay attention to signs of distress, and set limits on disruptive behavior.

BE DIRECT: Don't be afraid to ask students directly if they are under the influence of drugs or alcohol, feeling confused, or having thoughts of harming themselves or others.

ASSISTING STUDENTS IN **DISTRESS**



SEE SOMETHING.

CSU faculty and staff are in a unique position to demonstrate compassion for CSU students in distress.

Both undergraduate and graduate students may feel alone, isolated, and even hopeless when faced with academic and life challenges. These feelings can easily disrupt academic performance and may lead to difficulties coping and other serious consequences.

SAY SOMETHING.

Students exhibiting troubling behaviors in your presence are likely having difficulties in various settings including the classroom, with roommates, with family, and even in social settings.

Trust your instincts and **SAY SOMETHING** if a student leaves you feeling worried, alarmed, or threatened!

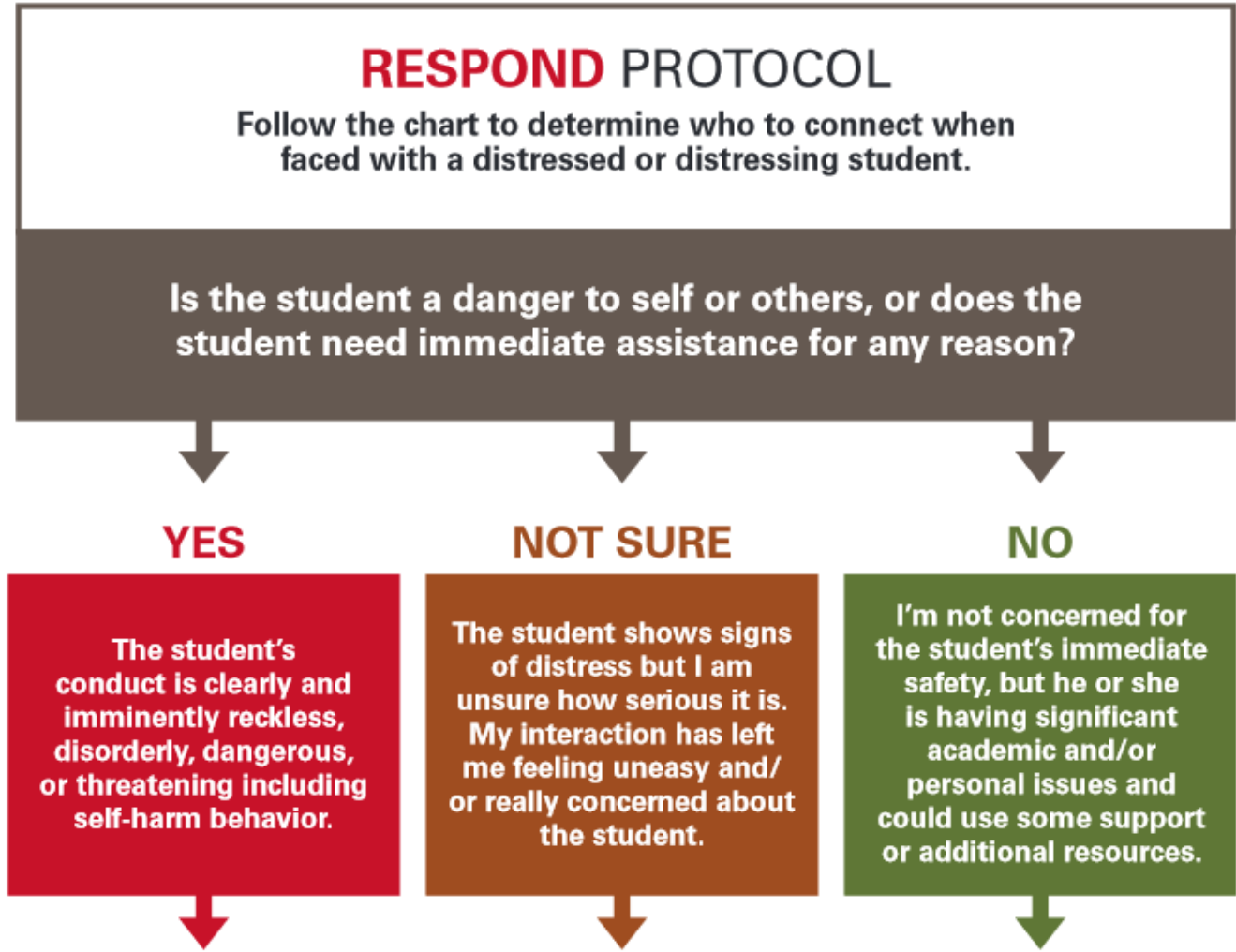
DO SOMETHING.

ACADEMIC INDICATORS

- Sudden decline in quality of work and grades
- Repeated absences
- Disturbing content in writing or presentations (e.g., violence, death)
- You find yourself doing more personal rather than academic counseling during office hours

PSYCHOLOGICAL INDICATORS

- Self-disclosure of personal distress that could include family problems, financial difficulties, depression, grief, or thoughts of suicide
- Excessive tearfulness, panic reactions, irritability or unusual apathy
- Verbal abuse (e.g., taunting, badgering, intimidation)
- Expressions of concern about



California State University, East Bay

Campus Resources

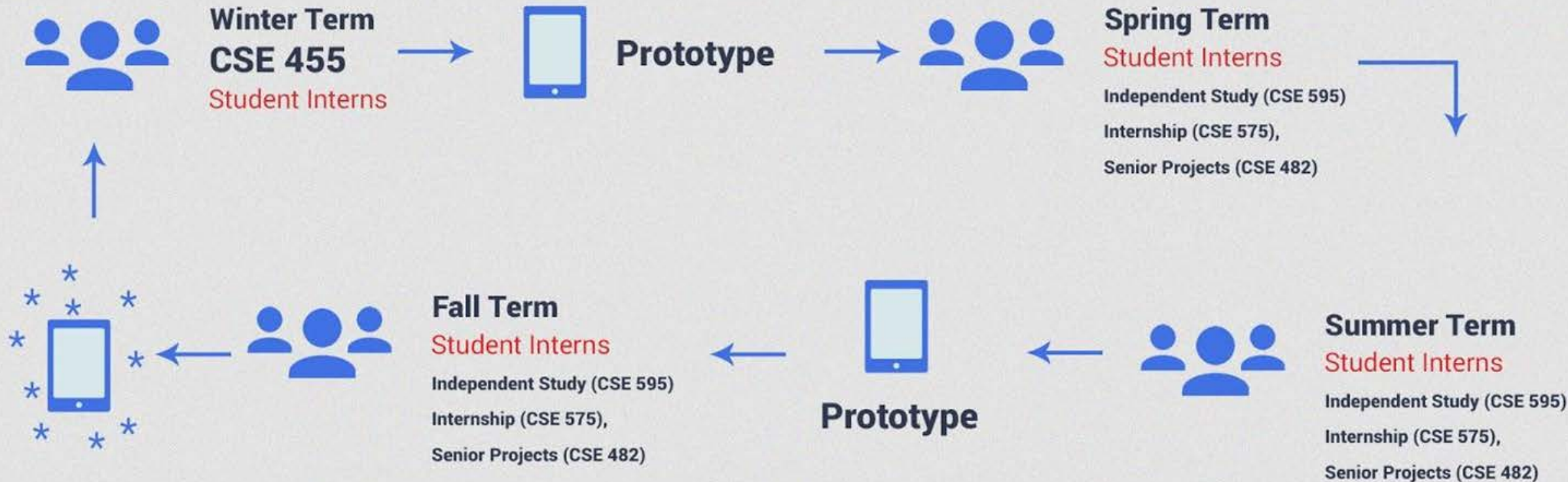
University Police Department	(510) 885-3791
Student Health & Counseling Services	(510) 885-3735
Student Conduct, Rights and Responsibilities	(510) 885-3763
Accessibility Services	(510) 885-3868
Student Affairs Academic Affairs	(510) 885-3646 (510) 885-3711

Ana Aguayo-Bryant

- Program Manager CalMHSA grant
- Assistant Director, Student Academic Support
Academic Affairs, Chancellor's Office
- Fall 2013

Mobile App Development Group

 **Client Request**



Goal / Process

- Condense each campus Red Folder into easily accessible information
- How to organize the information, without overwhelming the user.
- How to dynamically display relevant content based on situational and environmental factors.

App Structure

Respond Protocol

Quick and Convenient way to access the appropriate resources based on initial feelings about the student.

Involvement Advice

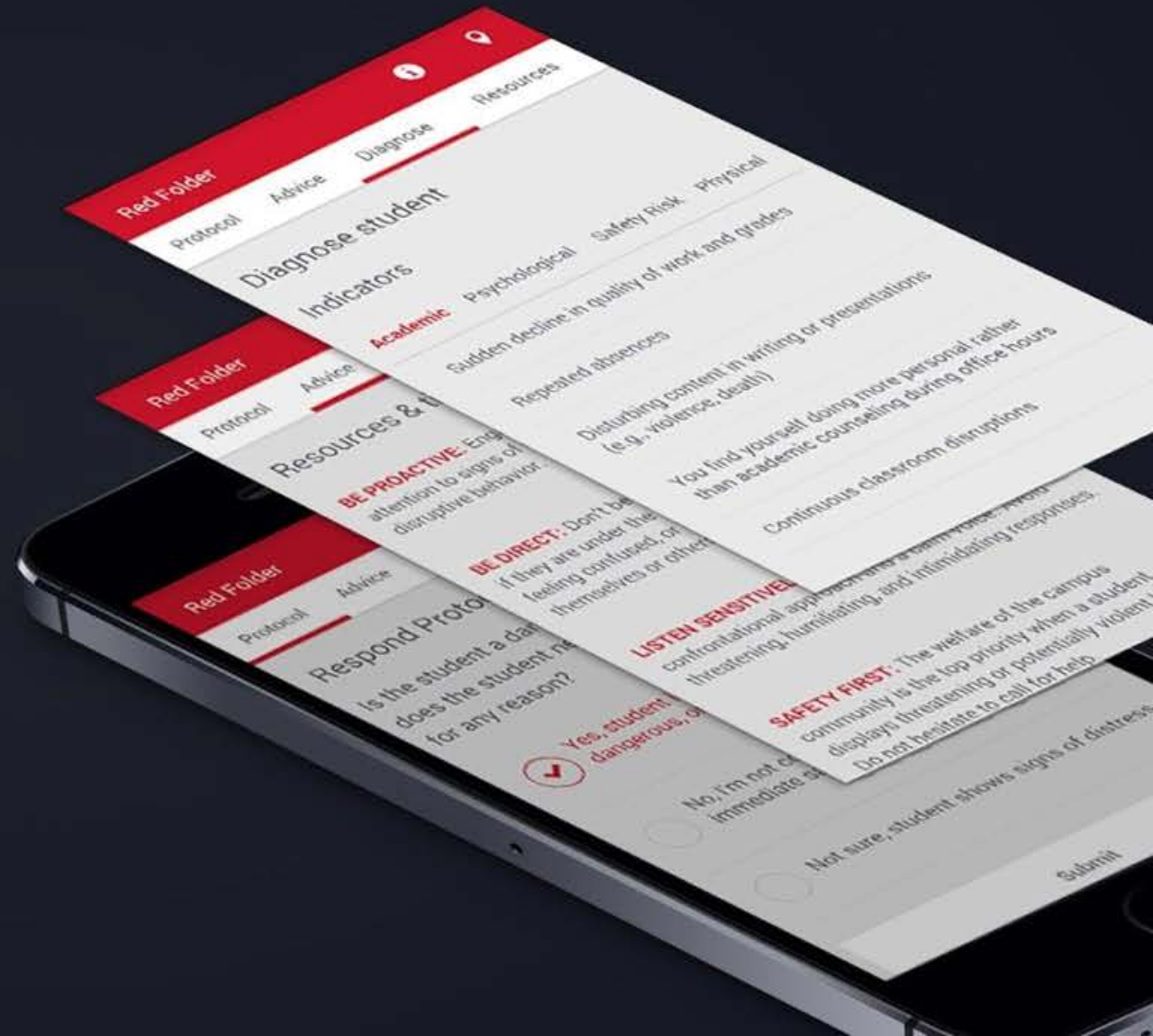
How to react and approach students appropriately

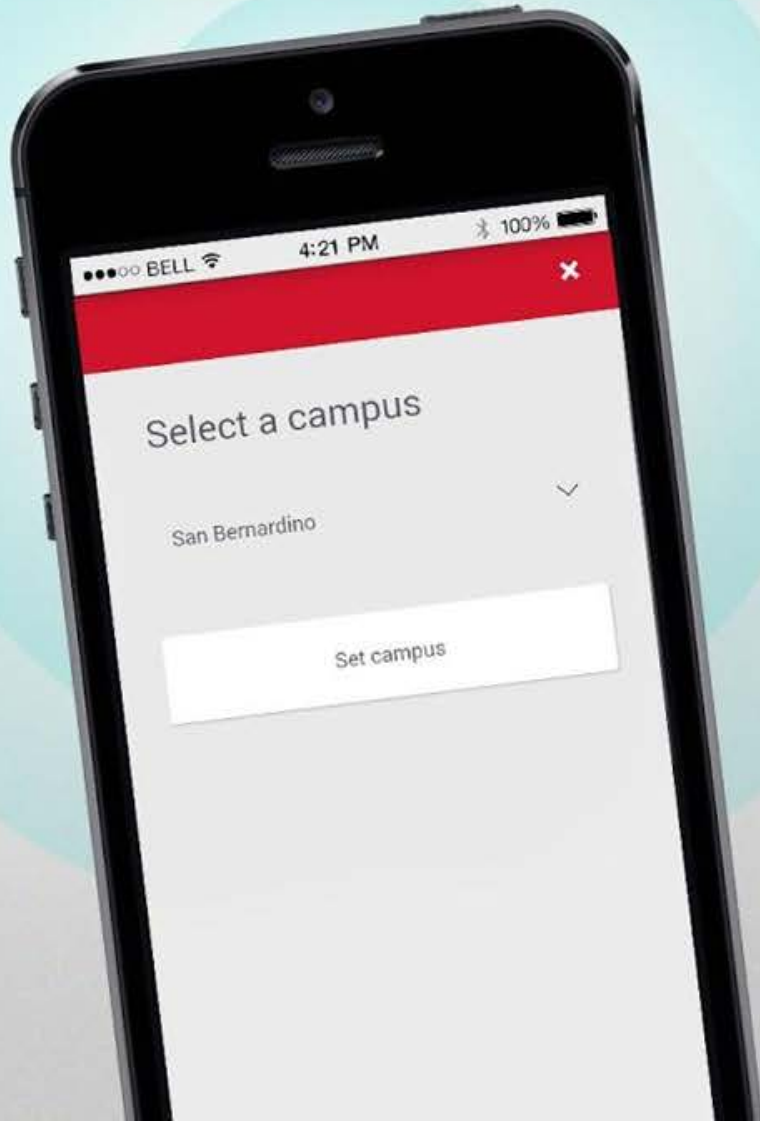
Diagnosis / Indicators

List of indicators common with risky behaviors (academic, physical, psychological)

Campus Resources

Quick and convenient list of campus resources



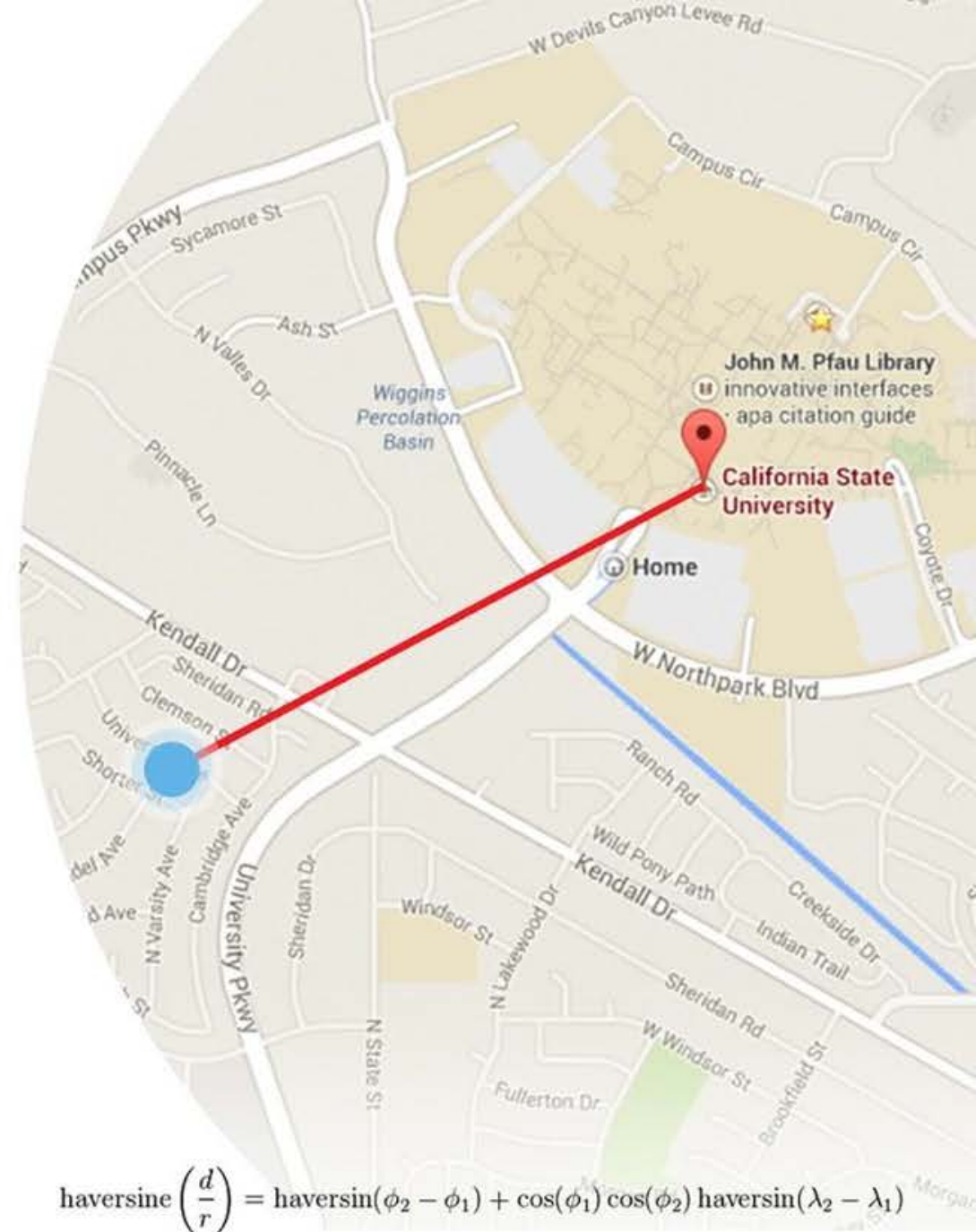


Geolocation

Automatically detect which of the 23 CSU campuses the user is closest to and display the corresponding local campus information.

Algorithm

- Campuses coordinates are stored in application and current user location is requested from user's device
- The Haversine great circle distance formula is used to calculate the distance between user and campus
- This is done for all CSU campuses, while keeping track of which distance is the smallest.
- The campus with the smallest distance is the one the user is currently in



$$\text{haversine} \left(\frac{d}{r} \right) = \text{haversin}(\phi_2 - \phi_1) + \cos(\phi_1) \cos(\phi_2) \text{haversin}(\lambda_2 - \lambda_1)$$

Haversine formula

Point 1

ϕ_1 latitude of point 1

λ_1 longitude of point 1

Point 2

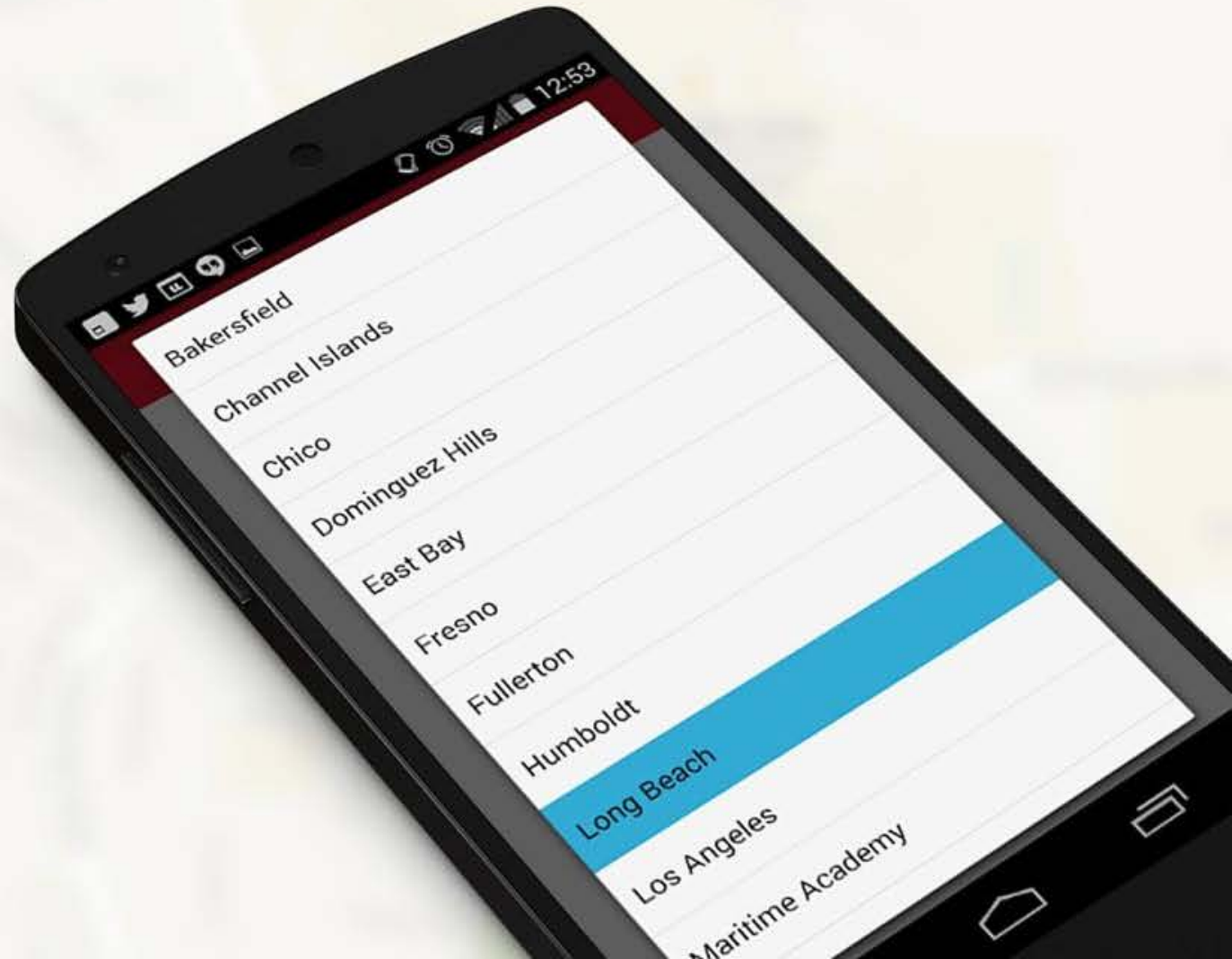
ϕ_2 latitude of point 2

λ_2 longitude of point 2

$$d = 2r \arcsin \sqrt{\sin^2 \left(\frac{\phi_2 - \phi_1}{2} \right) + \cos \phi_1 \cos \phi_2 \sin^2 \left(\frac{\lambda_2 - \lambda_1}{2} \right)}$$

GPS Errors

If GPS is disabled or takes too long to respond, the application prompts the user to manually select a campus.



Available Now



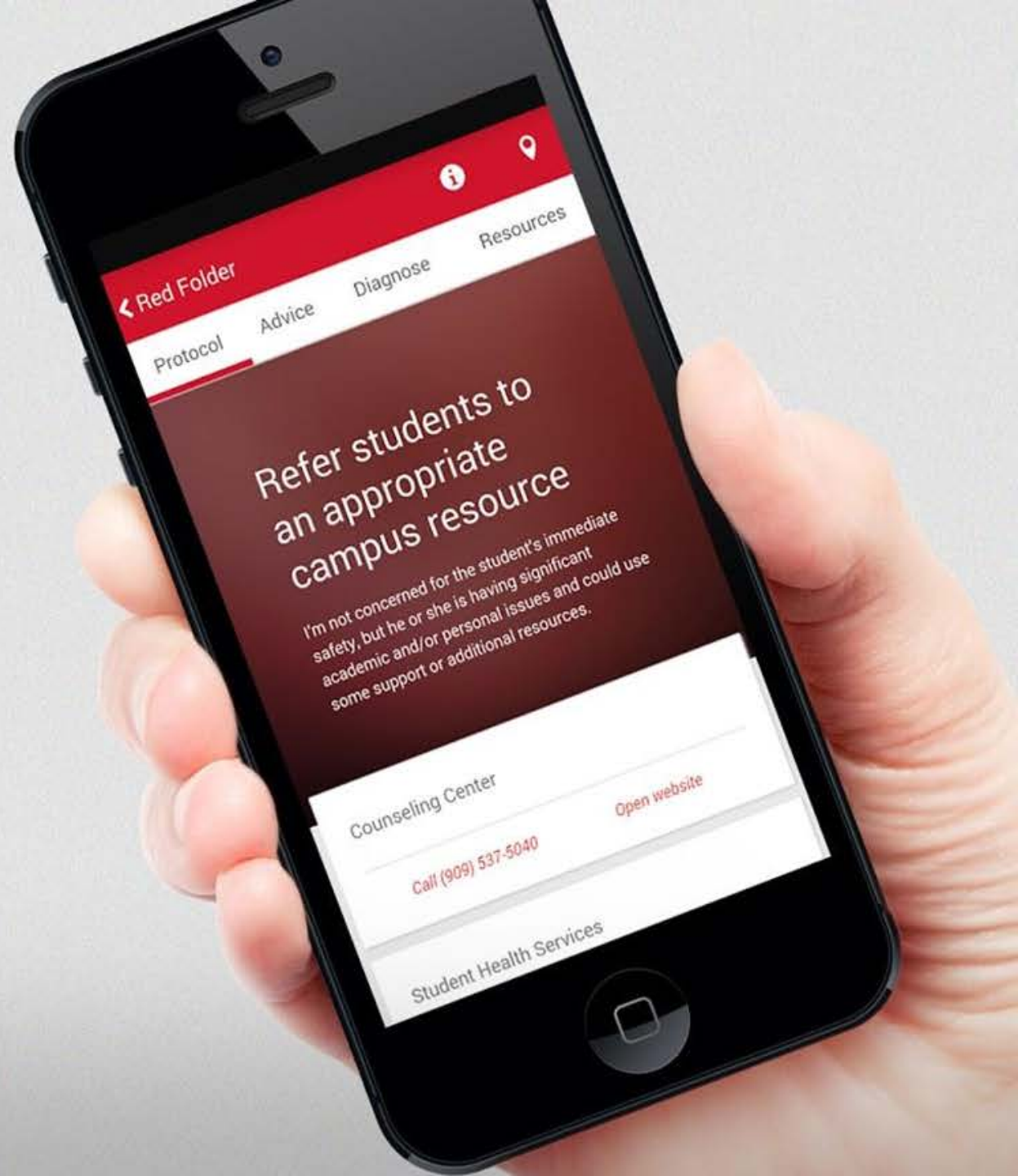
mobileapps.csusb.edu/redfolder



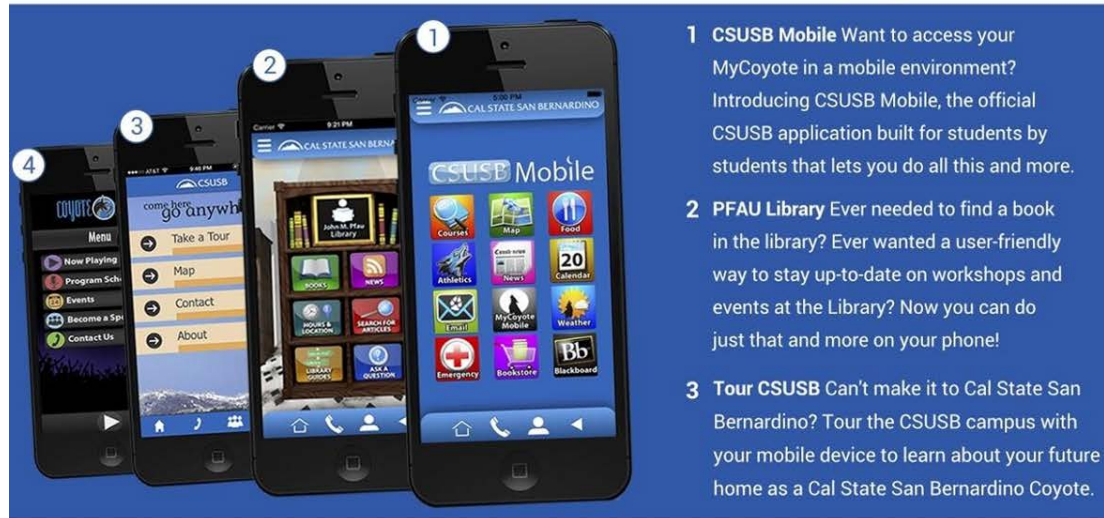
Get it on
Google play



Available on the
App Store



Go Mobile with CSUSB Mobile Apps!



1 CSUSB Mobile Want to access your MyCoyote in a mobile environment? Introducing CSUSB Mobile, the official CSUSB application built for students by students that lets you do all this and more.

2 PFAU Library Ever needed to find a book in the library? Ever wanted a user-friendly way to stay up-to-date on workshops and events at the Library? Now you can do just that and more on your phone!

3 Tour CSUSB Can't make it to Cal State San Bernardino? Tour the CSUSB campus with your mobile device to learn about your future home as a Cal State San Bernardino Coyote.

4 Coyote Radio Streaming live, we offer you 24 hour 7 days a week streaming to your smartphone of your favorite local bands from your favorite DJs!

5 Rec Sports Keep up-to-date with the Student Recreation and Fitness Center hours, open rec hours, pool hours, all calendar events, and more!

6 Advising Need assistance in advising? Are you always forgetting important dates? Want a convenient way to calculate your GPA? Then the Student Advising app is for you.

7 RAFFMA Students can explore for themselves the cultural richness hidden within the tales of Ancient Egypt with the RAFFMA App.



8 Slidewinder A simple and addicting action game that is extremely easy to play. Spin the center wheel to align colored sockets with their matching colored balls and score as many points as possible!

Check out our about page at <https://mobileapps.csusb.edu>

**An integrated mobile app combining several mobile apps into one is currently being developed.

FACULTY/STAFF/STUDENT TEAM

- Information Technology Services
 - Information Security & Emerging Technology
- College of Natural Sciences
 - School of Computer Science & Engineering
- College of Arts & Letters
 - Department of Art

6TH INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED EDUCATION (CSEDU)

- A.I. Concepcion, S. Lin, T. Chiang, P. O'Connor, M. Korcha, and D. Shumpert, "A Faculty/Staff/Student Team for Collaboration in Developing Mobile Applications in the Software Engineering Course," *In Proceedings of CSEDU-2014, Apr 2014.*