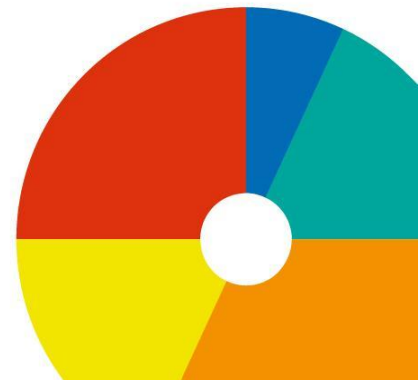




Test automation of push notifications using Ranorex

Repsly Web and Mobile app

Krešimir Linke, 08.12.2016.



Chapters

Agenda

- Few words about me
- Few more about Repsly app...
- Organization of test projects in Repsly
- Test cases, test scenario, test environment
- Test automation in Ranorex
- Running tests in Ranorex (Web, Android)



Few words about me...

KREŠIMIR LINKE, 1981

- Studied History of Art and Information science
- As majority of testers, I was introduced to testing by chance...
- From 2010 onward I am working in Repsly as a QA
- Previously responsible for various jobs beside QA - Customer success, Content mgmt, Product management...
- In spare time: family, music, art, architecture, beer, chill...





Repsly app

Few words about Repsly

- **Founded in 2008** - as a mobile and web app for sales force of one hair cosmetic company.
- **2010** - product launched in Cloud... international customers...
- **2014** - headquarters moved to Boston, USA
- **2016** - 30+ employees. Product present in 55+ countries on all continents
- Today - product covers wide range of industries and field jobs...



What kind of work does your field team perform?

click an image below to select your industry



Retail Merchandising



General Services



Cleaning Services



Pool Services



Contractor Services



Field Marketing (Medical)



Field Marketing (Consumer Goods)

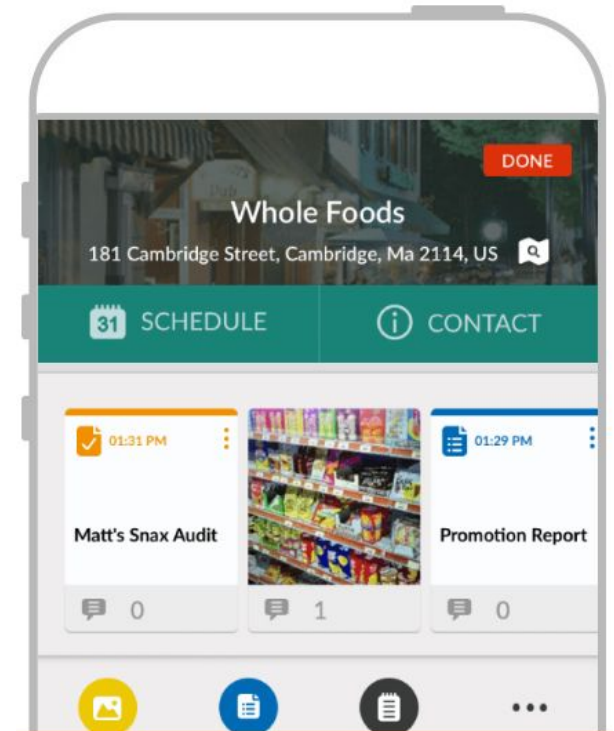
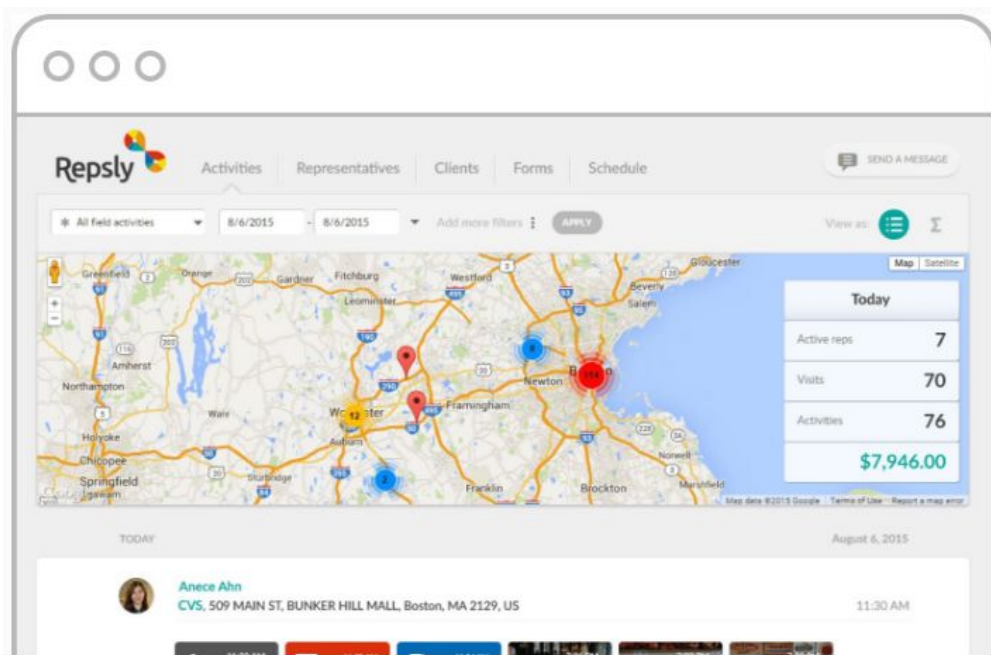


Field Sales



Other

REPSLY APP





Building the QA process

DEVELOPER
Yeah, right!
No way you'll
found me a
bug!

CO-FOUNDER
Look at this
software! Am I
genius or what?!

CO-FOUNDER
... let's go to
lunch, Kreso!!

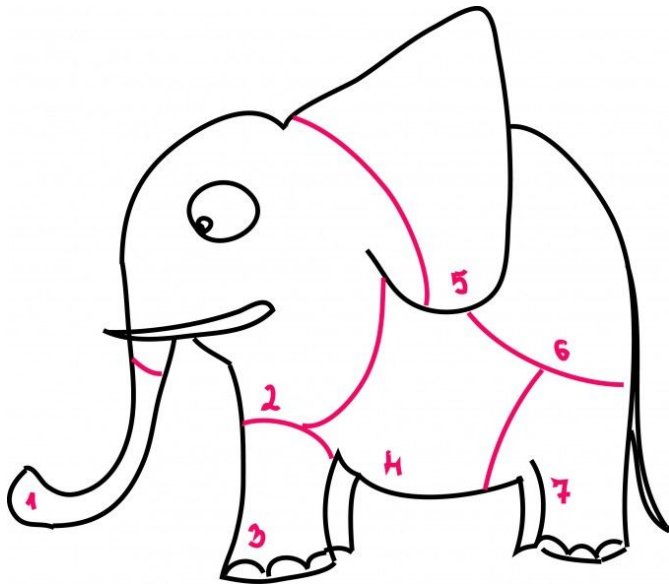
...and then you
click here...
and do
this...and
then...







SLICING THE ELEPHANT



7 separate projects:

- CRUD web
- Mobile core features
- **Communication/collaboration**
- Scheduling
- Settings/editions/purchase/BO U roles
- Reporting/filters/exports/territory restrictions
- Other

TEST CASES AND TEST AUTOMATION

STEPS TOWARDS TEST AUTOMATION

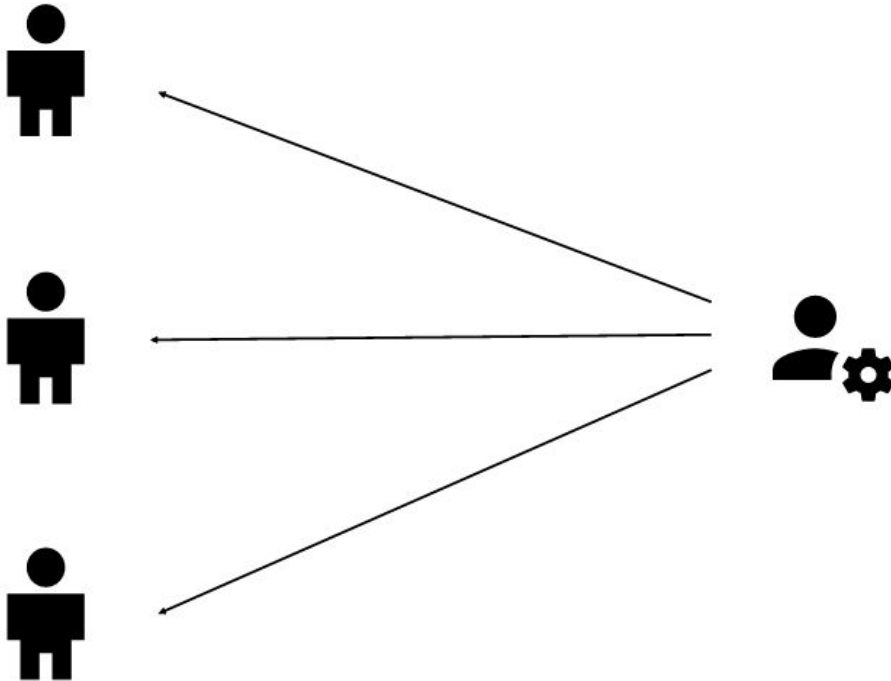
1. **ACCEPTANCE CRITERIA** FOR EVERY FEATURE AND PROJECT
2. **PRIORITIZATION** OF TEST CASES
3. **TEST SCENARIOS**
4. **TEST ENVIRONMENTS, TEST DATA...**
5. **TEST AUTOMATION**

COMMUNICATION AND COLLABORATION

Messaging, emails, comments,
notifications, push notifications...

ACCEPTANCE CRITERIA

Back office users



Messages:

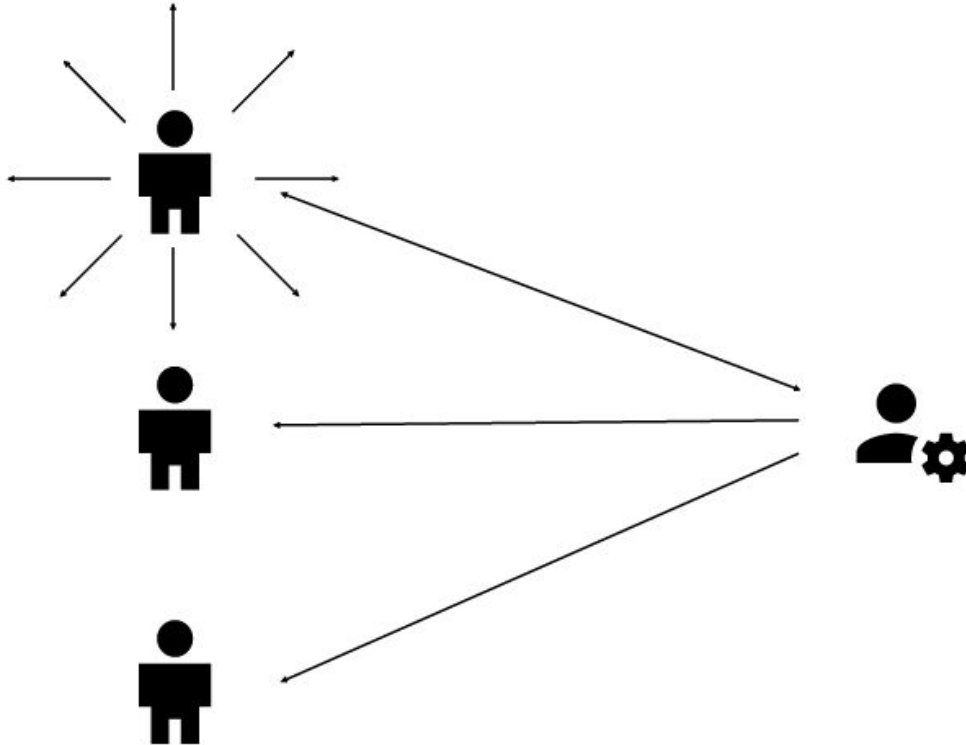
- To all reps
- To single rep
- To multiple reps
- To entire territory

Comments/replies

- Sent only to creator of the field event
- Notification only to sender
- ... or to those who have previously commented event.

ACCEPTANCE CRITERIA

Representatives



Message:

- To all reps + back office users!

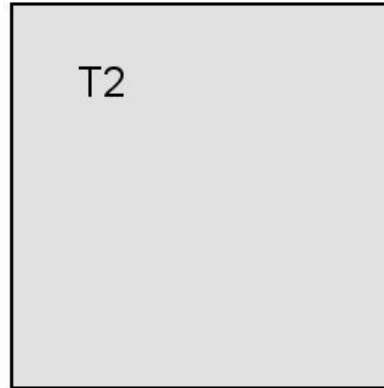
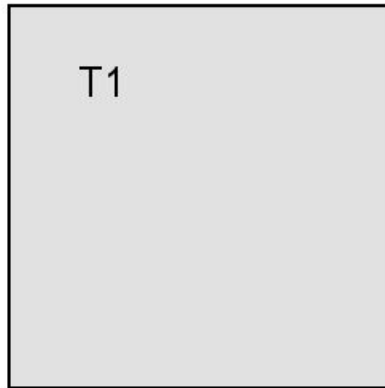
Comments/replies

- All backoffice users receive it
- All reps receive it
- Notification to those who have commented message earlier...
- etc.



TEST ENVIRONMENT

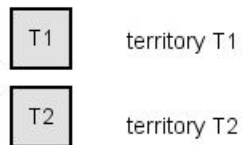
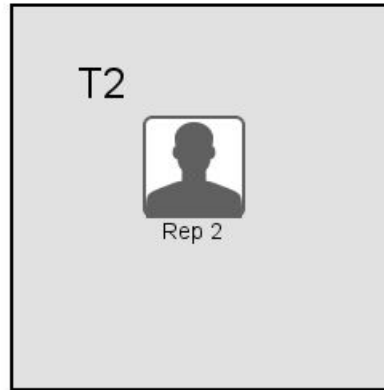
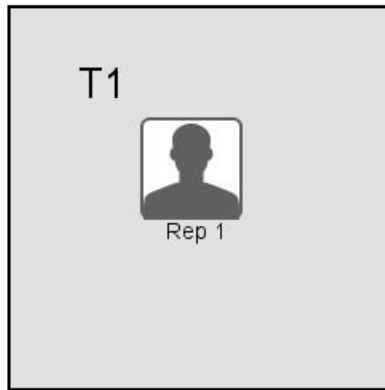
(STANDARD SETUP)

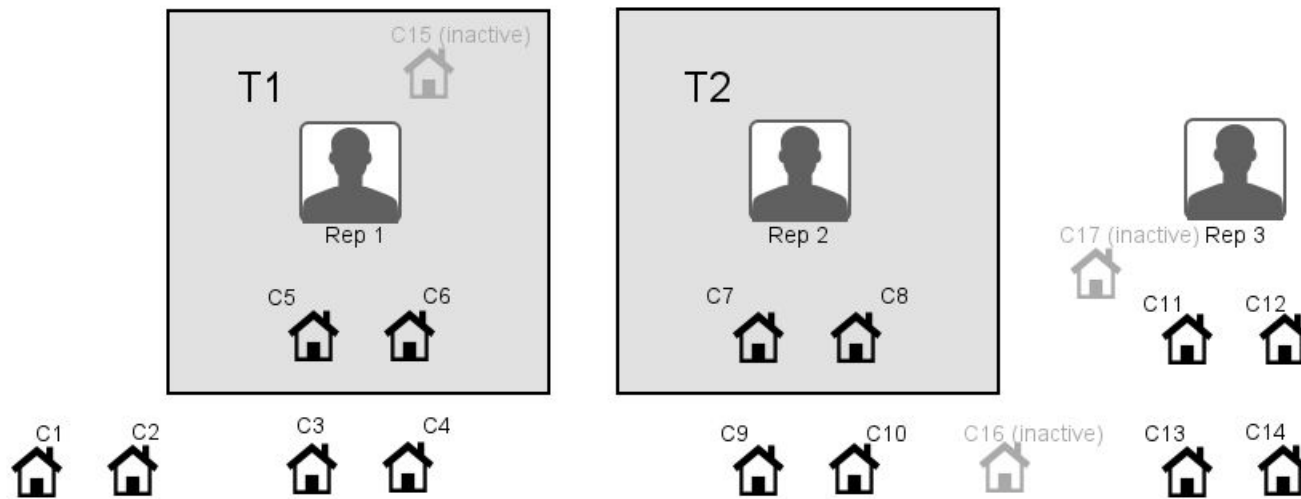


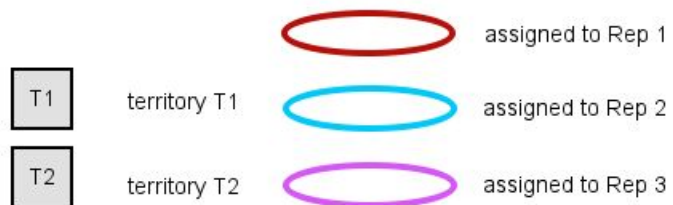
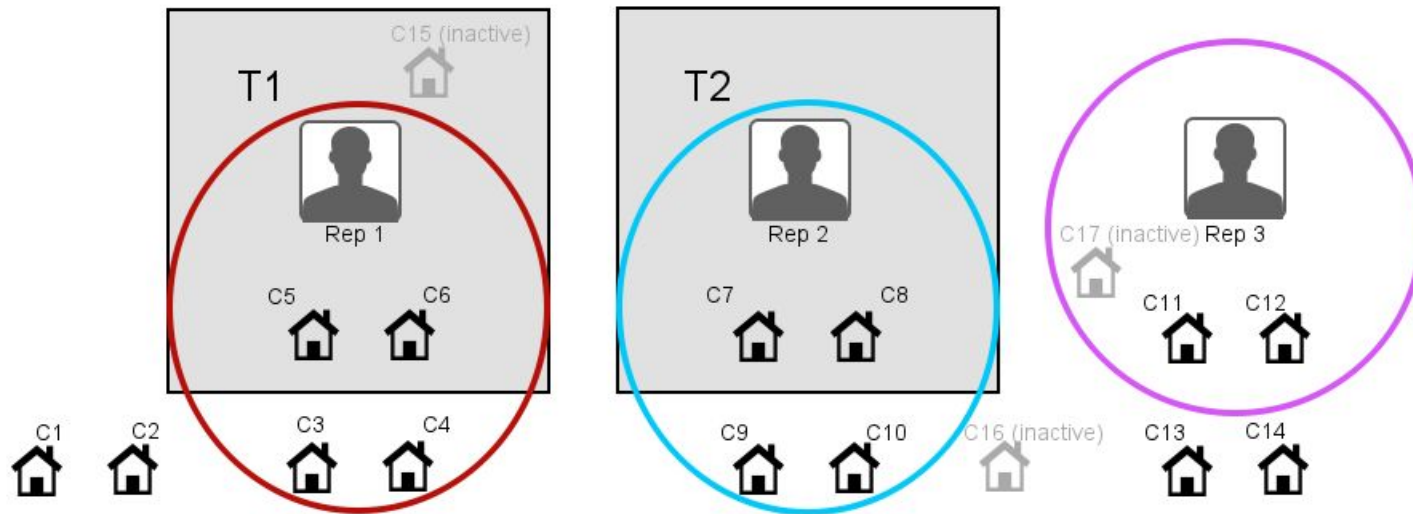
territory T1

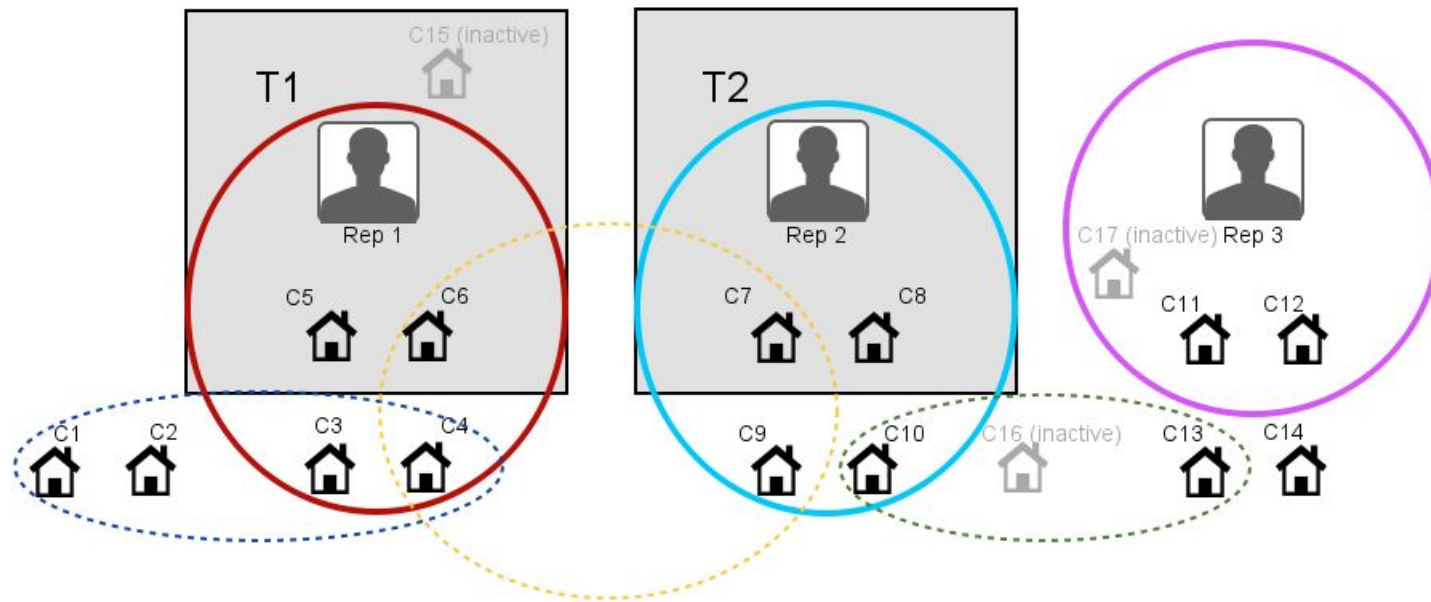


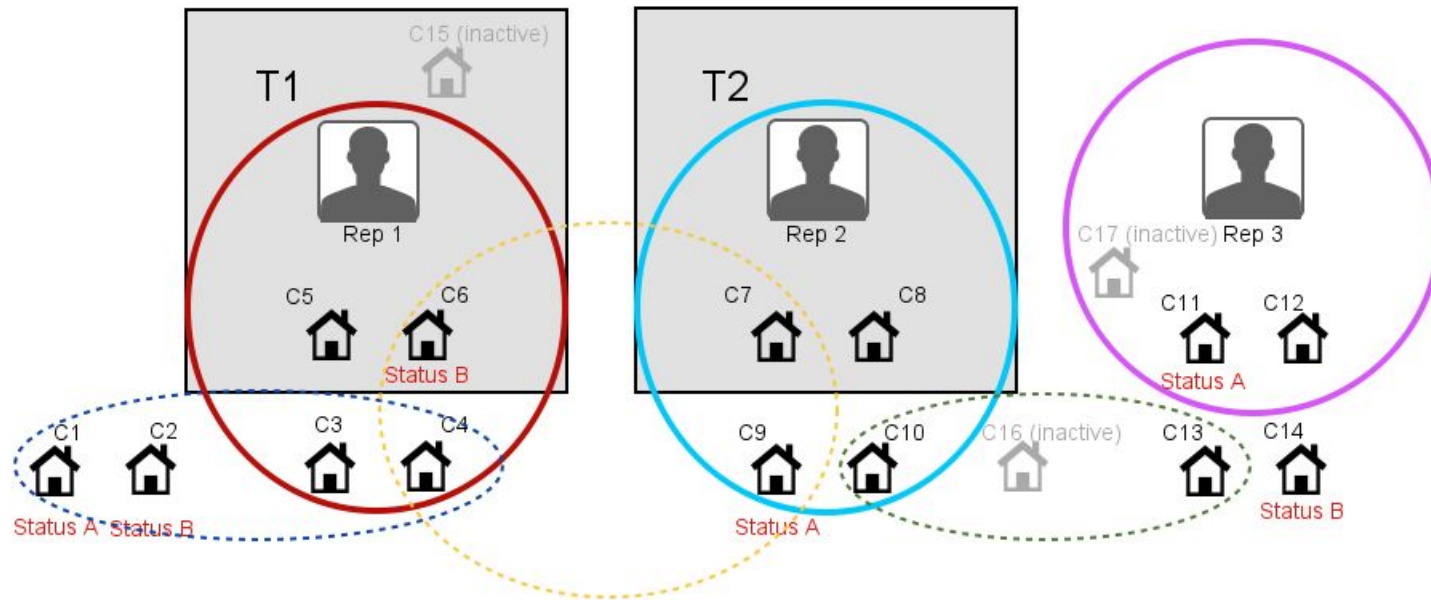
territory T2











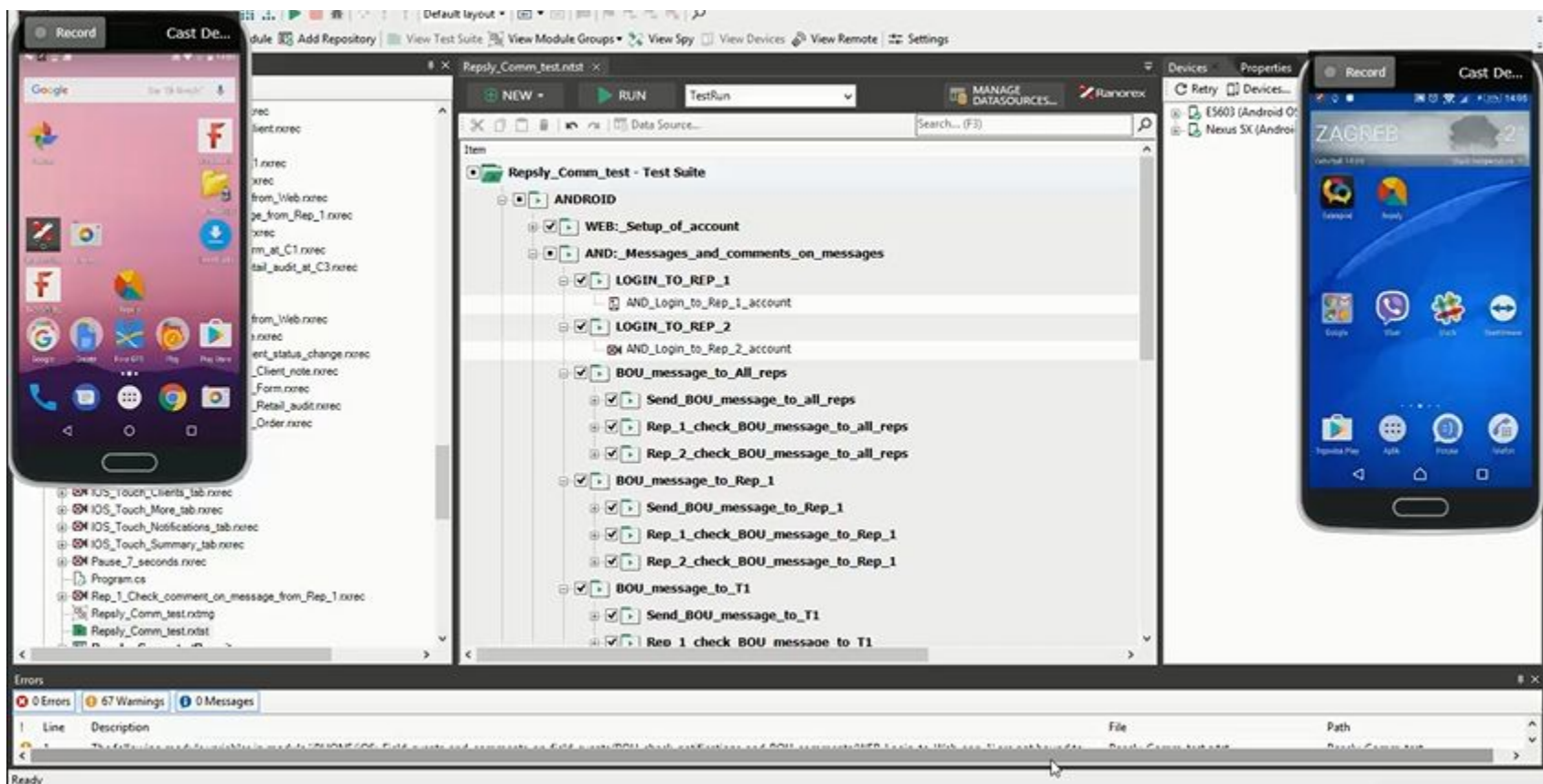
Test scenario for messages,
comments, notifications

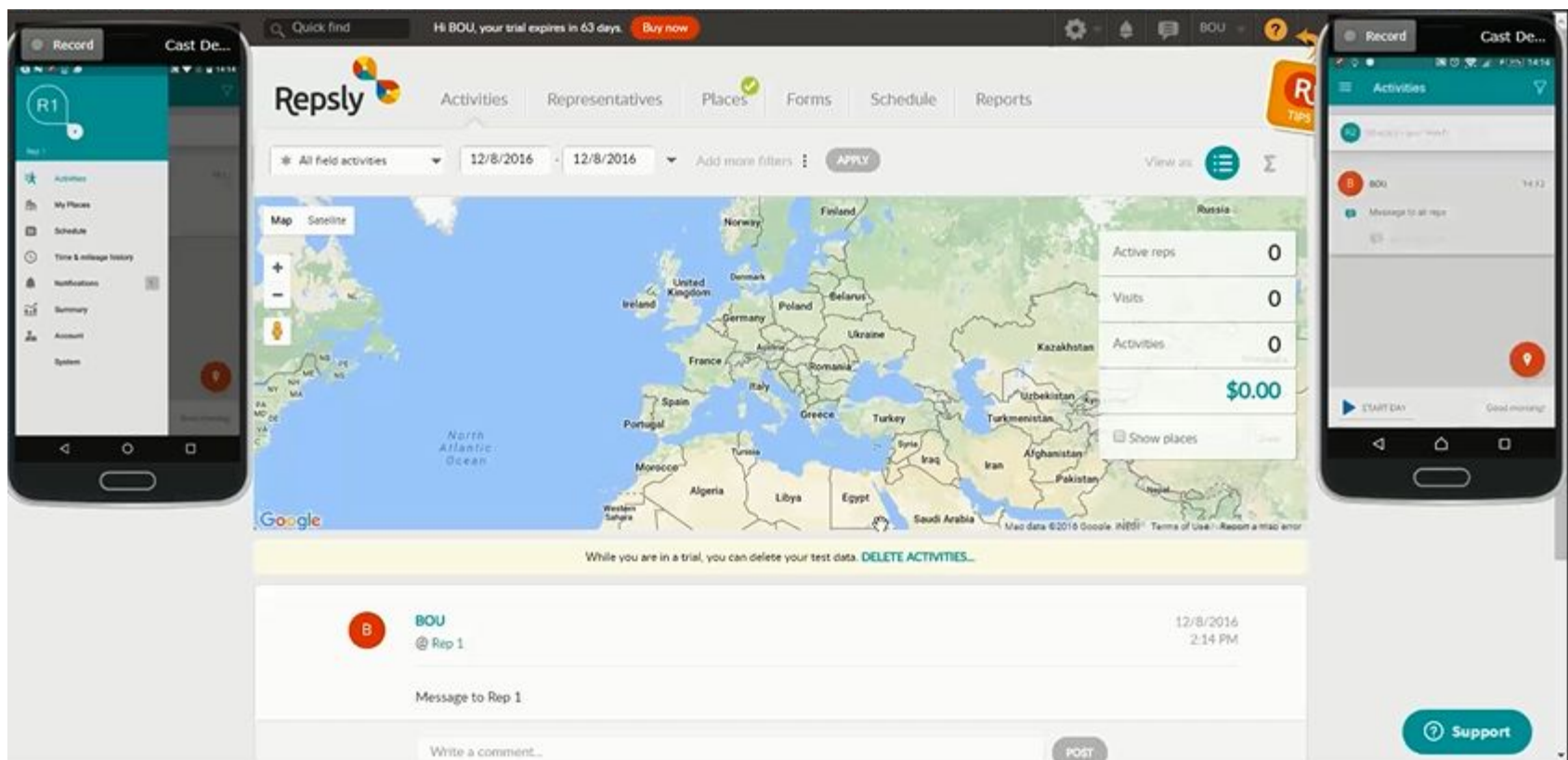
TEST AUTOMATION SCENARIO

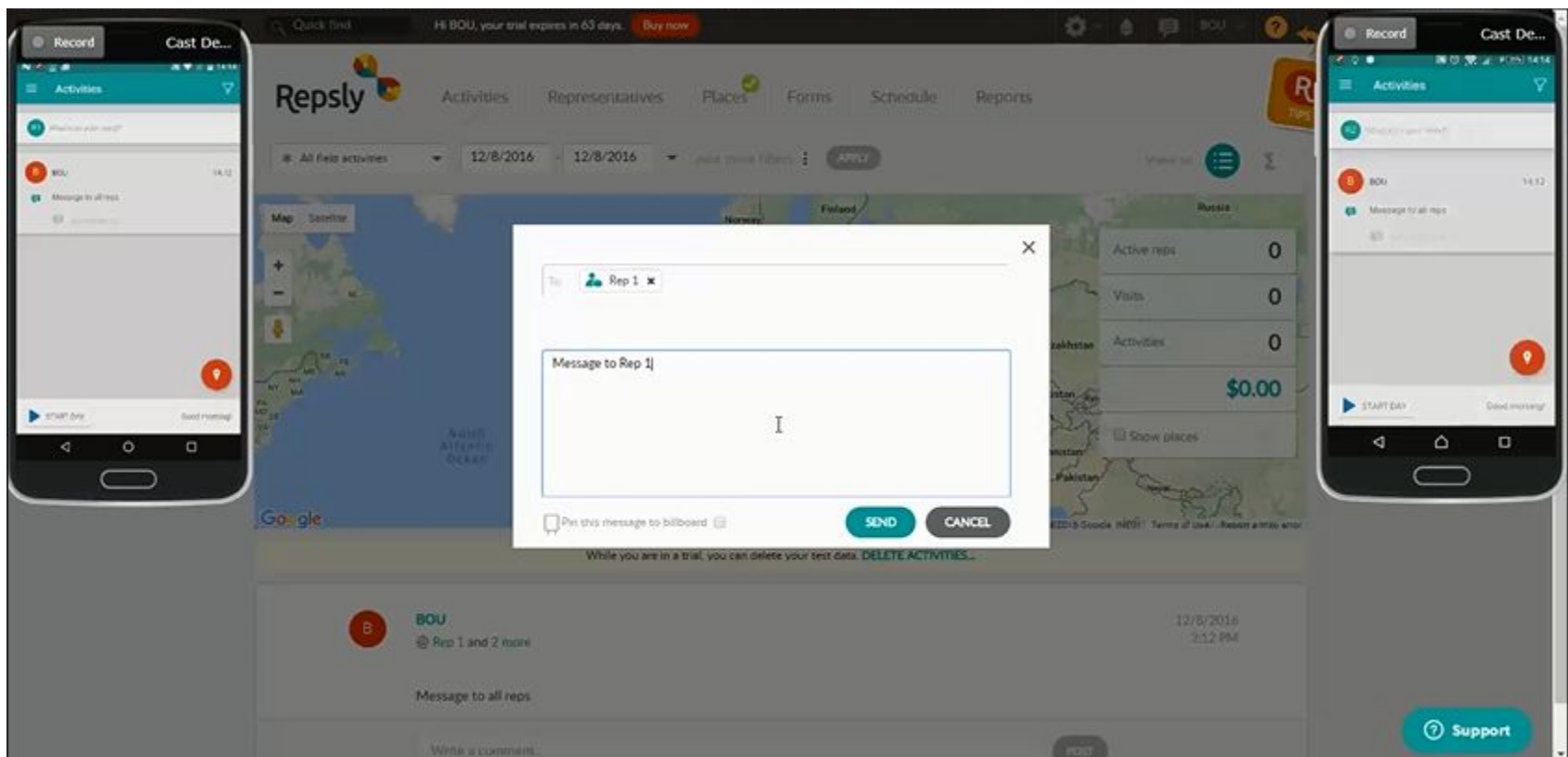
1	REP 1	REP 2	BOU
2			
3	Messages, notifications, comments		
4			SET-UP ENVIRNOMENT FOR REPS
5	LOGIN TO REP 1		
6		LOGIN TO REP 2	
7			Message to all reps
8	Check to all		
9		Check to all	
10			Message to rep1
11	Check to rep 1		
12		Check none	
13			Message to T1
14	Check to T1		
15		Check none	
16			Message to rep2
17	Check none		
18		Check to rep 2	
19			Message to T2
20	Check none		
21		Check to T2	
22	Comment on message to all		
23	Comment on message to Rep 1		
24	Comment on message to T1		
25	New message		
26		Check New message from Rep 1	
27		Check Rep 1 comment to all	
28		Check no notif for Rep 1 comm to Rep 1	
29		Check no notif for Rep 1 comm to T1	
30			Check rep 1 message
31			Check rep 1 comments: all, rep1, T1
32			Check notifications list
33			Comment rep 1 message
34			Comment: message to all
35			Comment: message to rep 1
36			Comment: message to rep 2
37			Comment: message to T1
38			Comment: message to T2
39			
40			



Running tests in Ranorex







Thank you!

