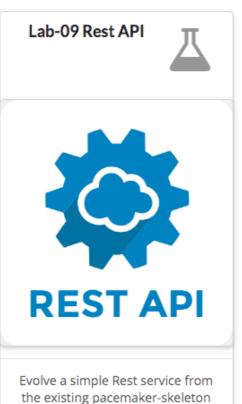
Lab 8-12 Review

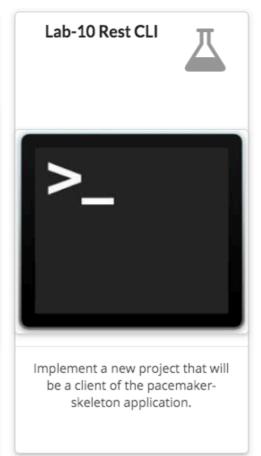
https://wit-computing-msc-2017.github.io/agile/labwall.html

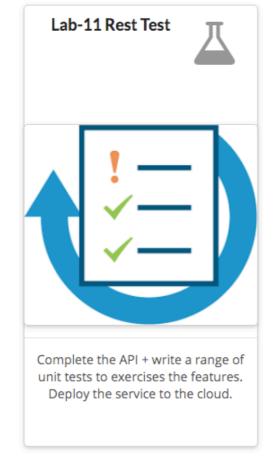


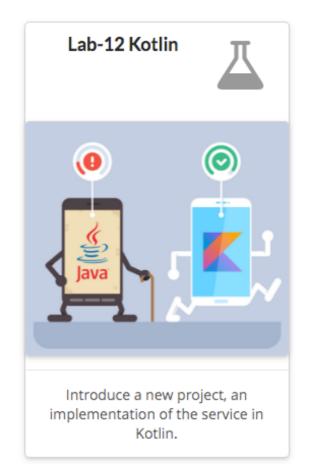


app using the Javalin

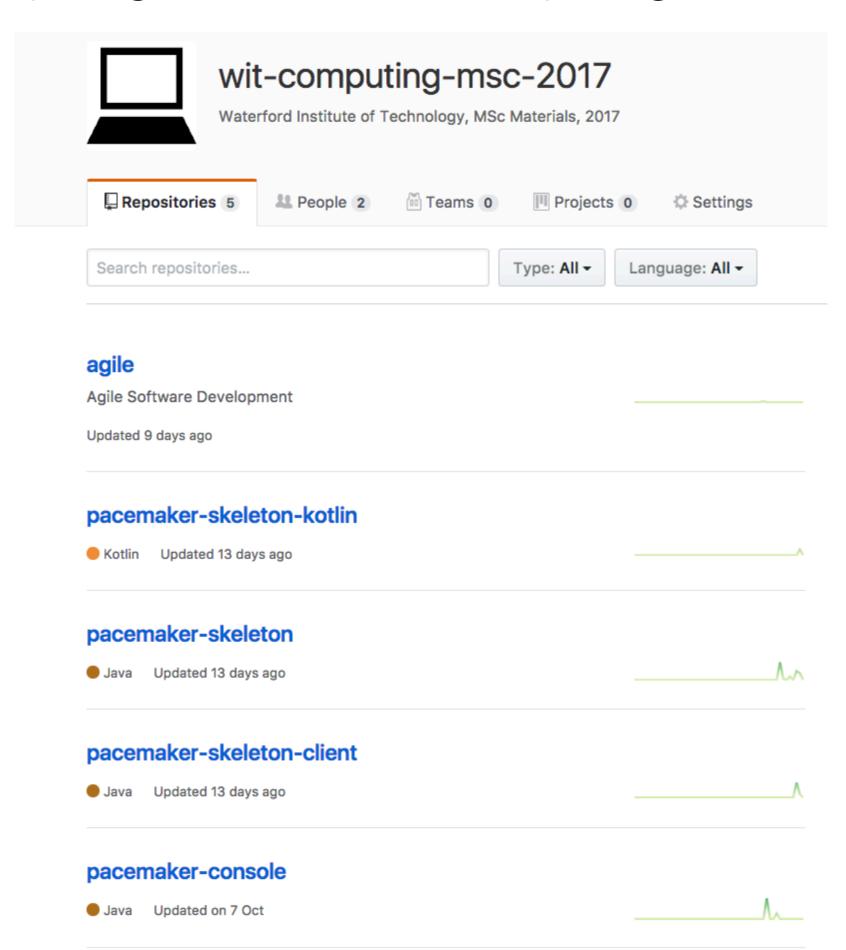
microframework.



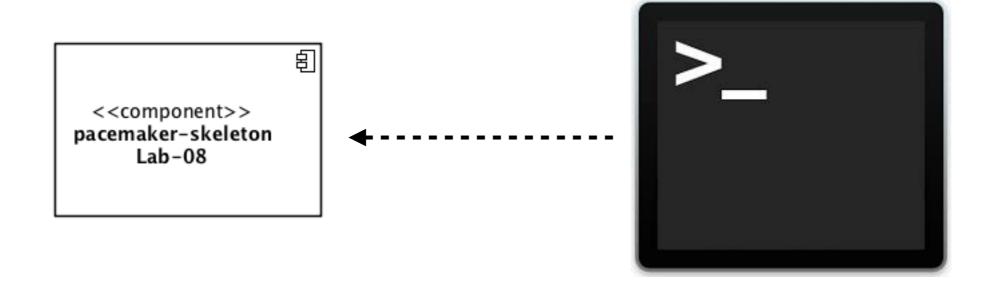




https://github.com/wit-computing-msc-2017



Lab 08



Standalone
Java Console
Application

Console UX

Lab-08 Skeleton



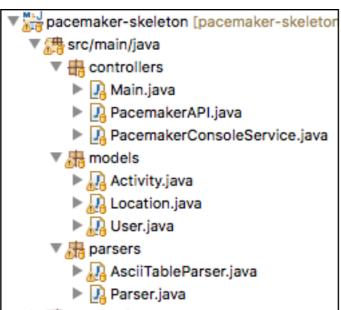


Develop a baseline for Assignment 2, to include a simplified version of pacemaker application developed so far

Lab 08 pacemaker-skeleton

https://github.com/wit-computing-msc-2017/pacemaker-skeleton/releases/tag/lab08.exercises

initial pom + gitignore



▶ lab09.start dependencies for Javalin
▶ lab08.exercises add location, list locations + activity report
▶ lab08.end placeholder for tests
add and list activity commands
implement register, list users, login and logout commands
console service - stubbed implementation of all commands
PacemakerAPI simplified to exclude serialisation
parsers for asciitable
simplified models - start time and duration removed

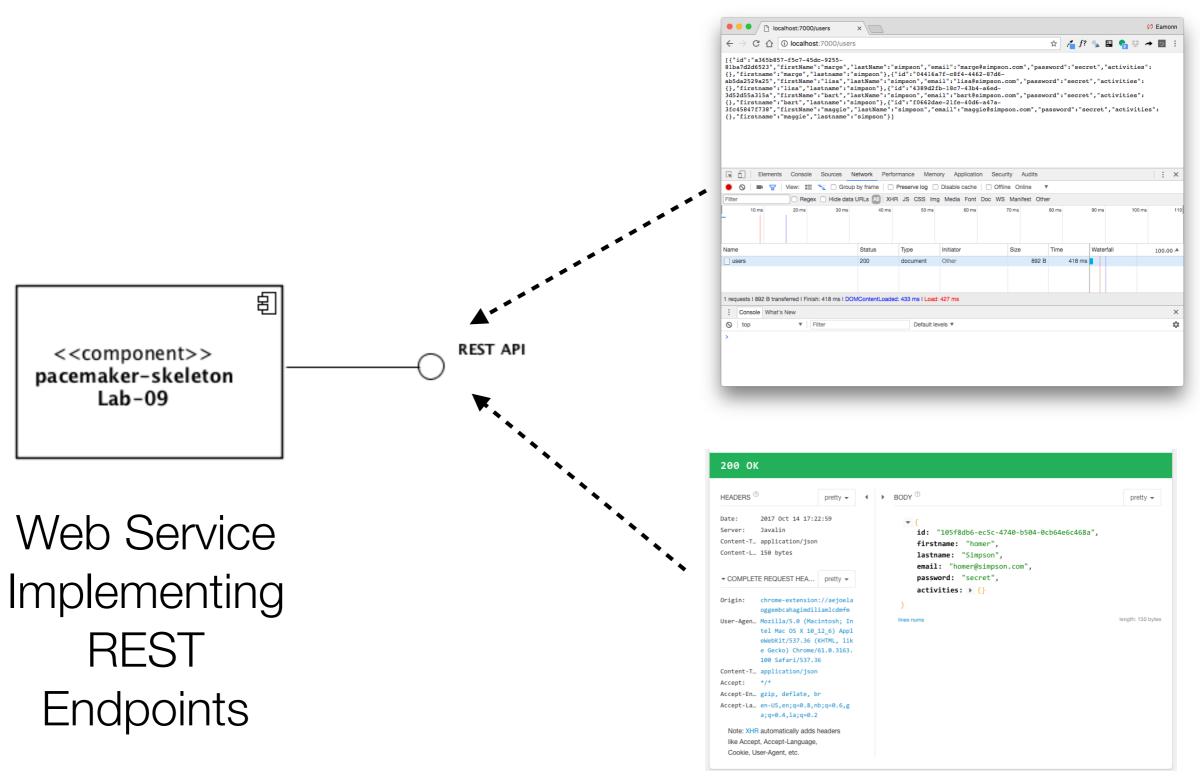
Implements Baseline commands



	Grade Band	Packaging & Deployment	Commands	TDD Coverage	Language
	Starter	Eclipse project archive - pacemaker-console	<pre>gu get-users () ru register-user (first name, last name, email, password) lu login-user (email, password) l logout () aa add-activity (type, location,</pre>	30%	Java
	Baseline	github repo - pacemaker-console	al add-location (activity-id, longitude, latitude) lal list-activity-locations (activity-id) ar activity-report () f follow (email) lf list-friends () far friend-activity-report (email)	40%	Java
	Good	maven github repos: - pacemaker-service - pacemaker-console	<pre>ar activity-report (byType: type) uf unfollow-friend () mf message-friend (email, message) lm list-messages () dlb distance-leader-board ()</pre>	50%	Java with Lambdas

Lab 09

Browser



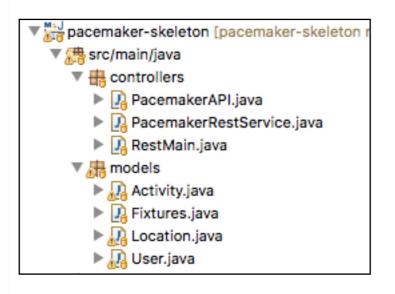
REST Client (Restlet)

Lab-09 Rest API REST API Evolve a simple Rest service from the existing pagemaker skeleters

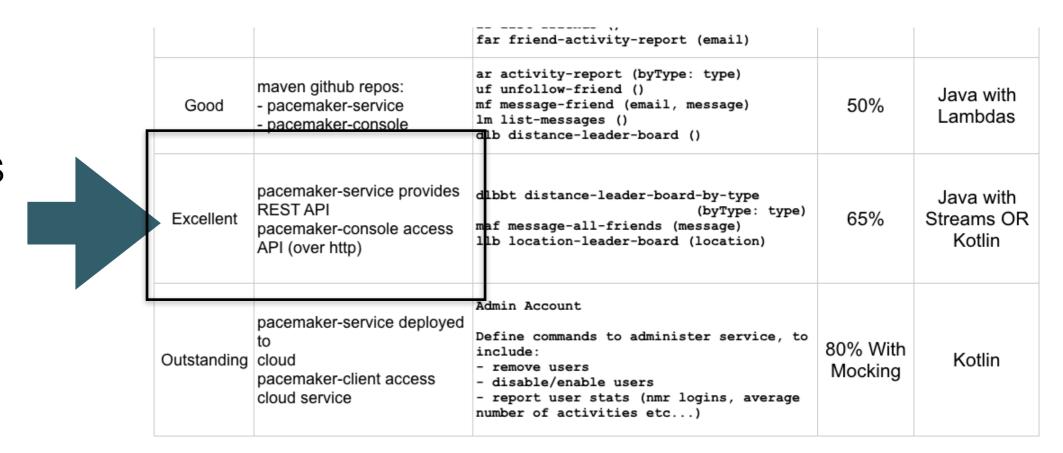
Evolve a simple Rest service from the existing pacemaker-skeleton app using the Javalin microframework.

Lab 09

https://github.com/wit-computing-msc-2017/pacemaker-skeleton/releases/tag/lab09.exercises

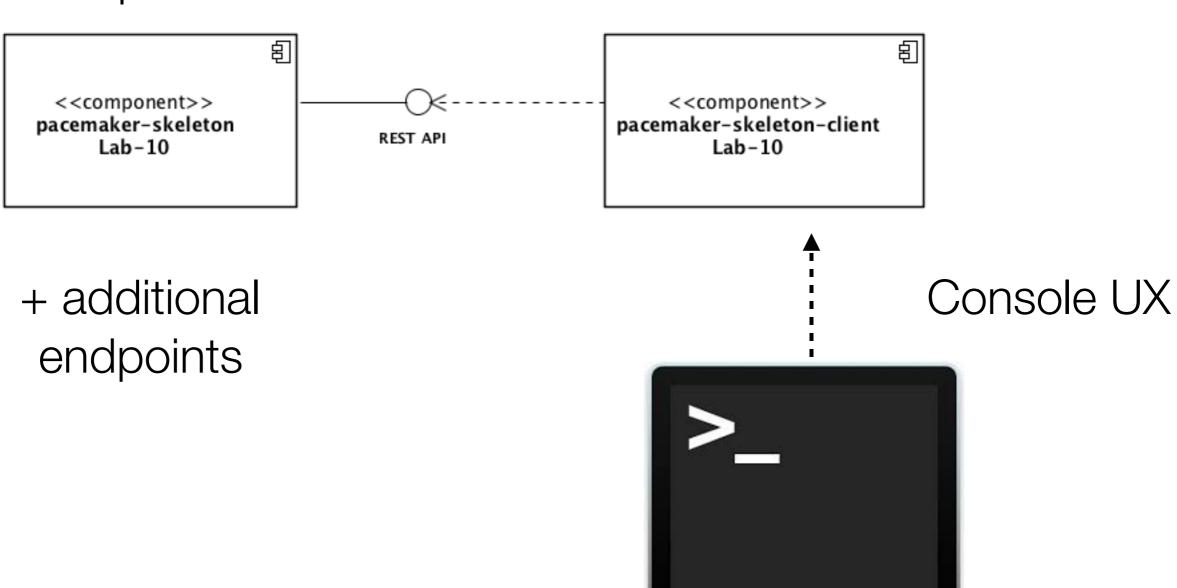


Implements REST Service



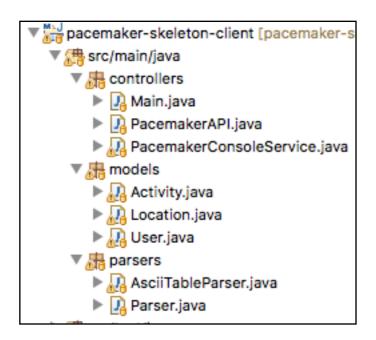
Lab 10

Web Service
Implementing
REST
Endpoints



Lab-10 Rest CLI Implement a new project that will be a client of the pacemakerskeleton application.

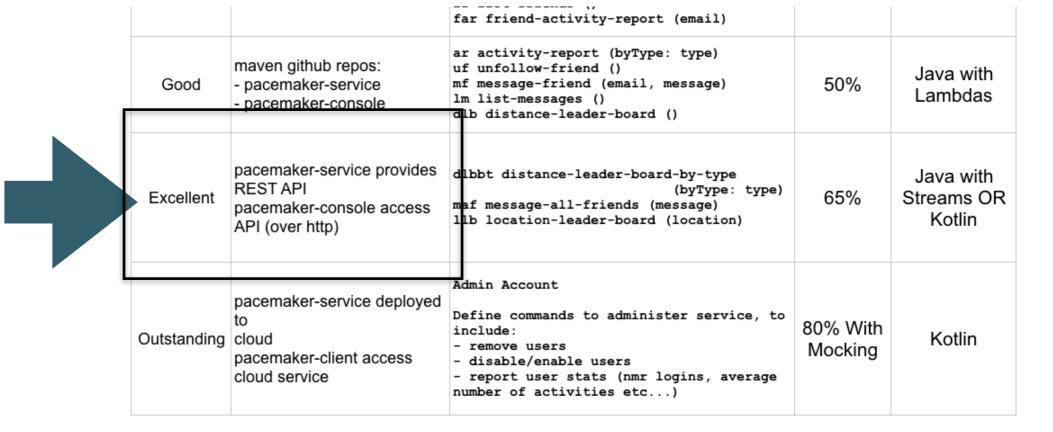
https://github.com/wit-computing-msc-2017/pacemaker-skeleton-client/releases/tag/lab10.exercises



▶ lab10.exercises addLocations exercise implementation
▶ lab10.end simplified client user models - removed id generation and one-to remove fixtures
get and add activity commands
remote api incorporated in PacemakeAPI
initial remote api interface incorporated into PacemakerAPI
retrofit libraries
replace PacemakerAPI with stubbed implementation
remove rest libraries
remove rest features

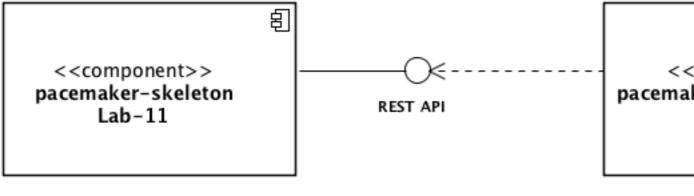
lab10.start cloned from pacemaker-skeleton project



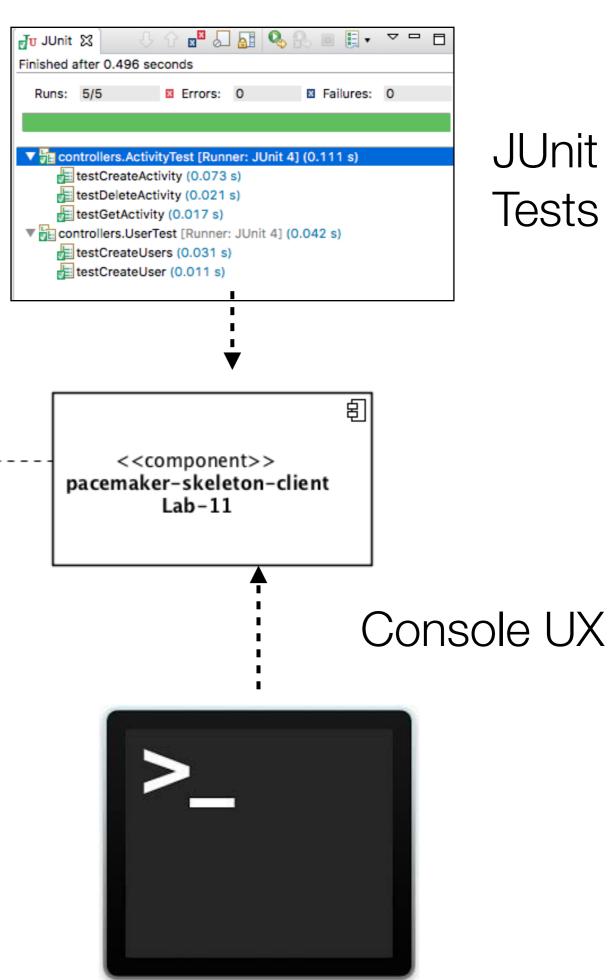


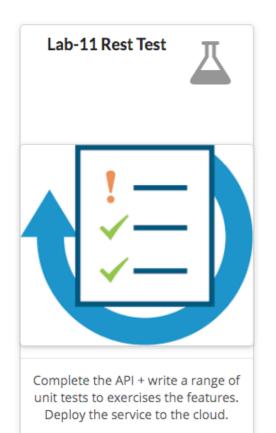
<u>Lab 11</u>

Web Service Implementing REST Endpoints

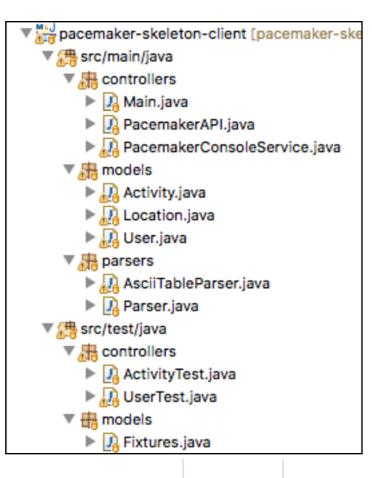


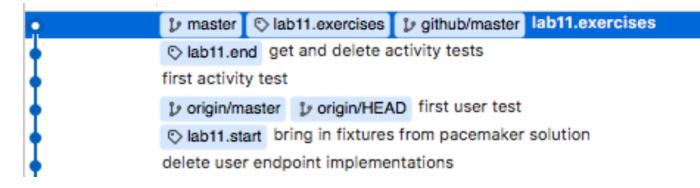
- + additional endpoints
- + cloud deployment (heroku)





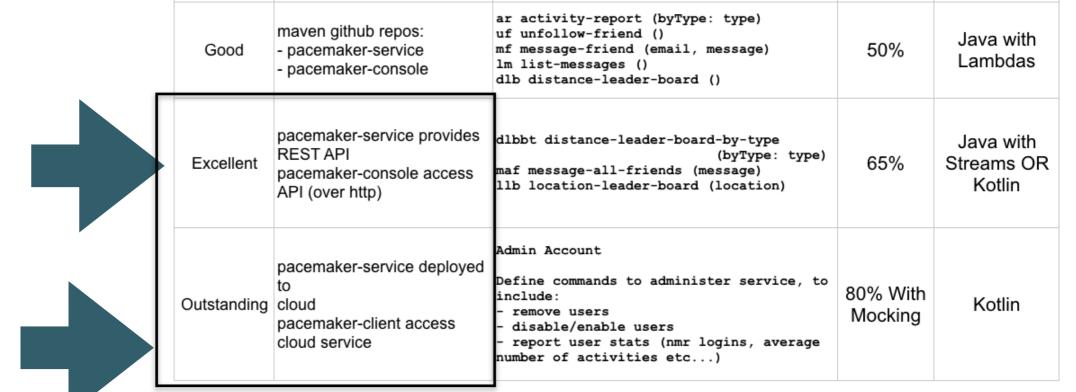
https://github.com/wit-computing-msc-2017/pacemaker-skeleton-client/releases/tag/lab11.exercises





Implements
REST Client
Unit Tests

Deploy REST Service to Cloud



far friend-activity-report (email)

Lab 12

<<component>>

pacemaker-skeleton-kotlin

Lab-12

Kotlin Version

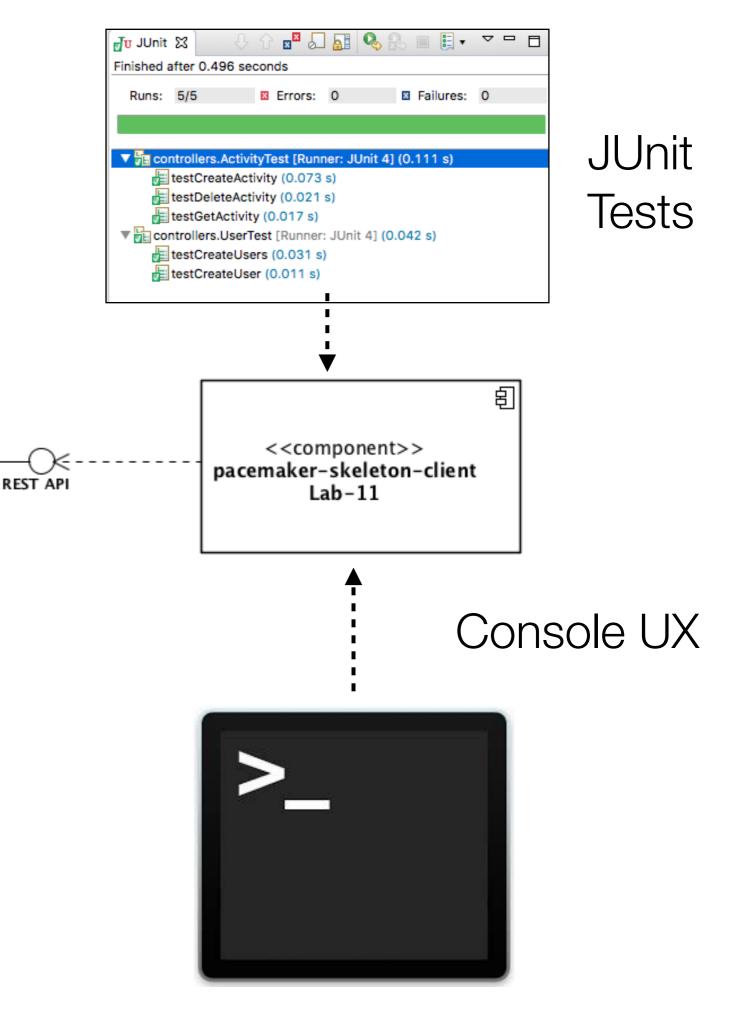
of Web Service

Implementing

REST

Endpoints

割



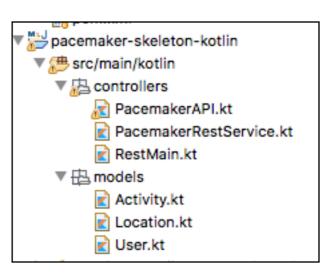
Lab-12 Kotlin

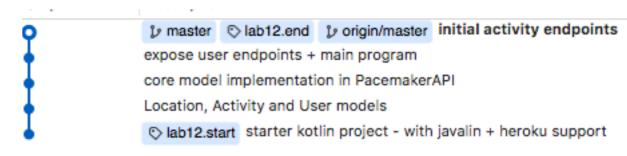




Introduce a new project, an implementation of the service in Kotlin.

https://github.com/wit-computing-msc-2017/pacemaker-skeleton-kotlin





		far friend-activity-report (email)			
Good	maven github repos: - pacemaker-service - pacemaker-console	<pre>ar activity-report (byType: type) uf unfollow-friend () mf message-friend (email, message) lm list-messages () dlb distance-leader-board ()</pre>	50%	Java with Lambdas	
Excellent	pacemaker-service provides REST API pacemaker-console access API (over http)	dlbbt distance-leader-board-by-type (byType: type) maf message-all-friends (message) llb location-leader-board (location)	65%	Java with Streams OR Kotlin	
Outstanding	pacemaker-service deployed to cloud pacemaker-client access cloud service	Admin Account Define commands to administer service, to include: - remove users - disable/enable users - report user stats (nmr logins, average	80% With Mocking	Kotlin	

number of activities etc...)



_d JUnit ⊠ Summary Finished after 0.496 seconds Errors: 0 ■ Failures: 0 Runs: 5/5 **JUnit** testCreateActivity (0.073 s) Tests testDeleteActivity (0.021 s) testGetActivity (0.017 s) ▼ controllers.UserTest [Runner: JUnit 4] (0.042 s) testCreateUsers (0.031 s) testCreateUser (0.011 s) 包 REST API <<component>> pacemaker-skeleton Lab-11 包 <<component>> pacemaker-skeleton-client Lab-11 Console UX 包 <<component>> pacemaker-skeleton-kotlin Lab-12 REST API