

# Assignment 2 – Pacemaker V2.0

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<Student name>, <email>

## Assignment : Pacemaker 2.0

- Commands/Features
- Test Driven Development Practices
- Build & Deployment
- Language Features

# Commands / Features (Starter)

|   |  |
|---|--|
| List Users: List all users emails, first and last names         | gu get-users ()  |
| Register: Create an account for a new user                      | ru register-user<br>(first name, last<br>name, email,<br>password) |
| Login: Log in a registered user in to pacemaker                 | lu login-user (email,<br>password)                                 |
| Logout: Logout current user                                     | l logout ()  |
| Add activity: create and add an activity for the logged in user | aa add-activity<br>(type, location,<br>distance)                   |
| List Activities: List all activities for logged in user         | la list-activities ()  |

**Starter  
Commands  
Provided in  
Lab Solutions**

| <b>Commands / Features<br/>(Baseline)</b>   |   | <b>Attempted?</b>                       | <b>Status</b> |
|---|---|---|---------------|
| List Activity Location: List all locations for a specific activity                            | lal list-activity-locations (activity-id) |   |               |
| Follow Friend: Follow a specific friend   | f follow (email)                          |   |               |
| List Friends: List all of the friends of the logged in user                                   | lf list-friends ()                        |   |               |
| Friend Activity Report: List all activities of specific friend, sorted alphabetically by type | far friend-activity-report (email)        |   |               |
| Add location: Append location to an activity"   | al add-location (activity-id, lat, lng)   | <b><i>Provided in Lab Solutions</i></b> |               |
| ActivityReport: List all activities for logged in user, sorted alphabetically by type         | ar activity-report ()                     | <b><i>Provided in Lab Solutions</i></b> |               |

| <b>Commands / Features<br/>(Good)</b>  | <b>Attempted?</b>                  | <b>Status</b> |
|--|------------------------------------|---------------|
| Activity Report: List all activities for logged in user by type. Sorted longest to shortest distance | ar activity-report (byType: type)  |               |
| Unfollow Friends: Stop following a friend  | uf unfollow-friend ()              |               |
| Message Friend: send a message to a friend   | mf message-friend (email, message) |               |
| List Messages: List all messages for the logged in user  | lm list-messages ()                |               |
| Distance Leader Board: list summary distances of all friends, sorted longest to shortest             | dlb distance-leader-board ()       |               |
| Friend Activity Report: List all activities of specific friend, sorted alphabetically by type        | ar activity-report (byType: type)  |               |

| <b>Commands / Features<br/>(Excellent)</b>  |  | <b>Attempted?</b> | <b>Status</b> |
|---|--|-------------------|---------------|
| Distance Leader Board:<br>distance leader board refined<br>by type                          | dlbdt distance-<br>leader-board-by-<br>type (byType: type) |                   |               |
| Message All Friends: send a<br>message to all friends"                                      | maf message-all-<br>friends (message)                      |                   |               |
| Location Leader Board: list<br>sorted summary distances of all<br>friends in named location | llb location-leader-<br>board (location)                   |                   |               |

| <b>Commands / Features<br/>(Outstanding)</b>  |   | <b>Attempted?</b> | <b>Status</b> |
|---|---|-------------------|---------------|
| <p>pacemaker-service<br/>deployed to cloud</p> <p>pacemaker-client<br/>access cloud service</p> | <p>Admin Account Define<br/>commands to administer<br/>service, to include:</p> <ul style="list-style-type: none"> <li>- remove users</li> <li>- disable/enable users</li> <li>- report user stats (nmr<br/>logins, average number of<br/>activities etc...)</li> </ul> |                   |               |

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# TDD Practices

|             |                    |
|-------------|--------------------|
| Starter     | 30% Coverage       |
| Baseline    | 40% Coverage       |
| Good        | 50% Coverage       |
| Excellent   | 65% Coverage       |
| Outstanding | 80% (with Mocking) |

Code Coverage Achieved: xx%

Mocking Approach Adopted:

# Code Coverage Screen Shot / Report

Note: If you have a submitted Rest + a Client application – the coverage report need exercise the Rest Service ONLY

|           |   |                         |
|-----------|---|-------------------------|
|           |   | dlb d.                  |
| Excellent | pacemaker-service provides REST API<br>pacemaker-console access API (over http) | dlbbt<br>maf m<br>llb l |
|           | pacemaker-service deployed  | Admin                   |

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| <b>Build and Deployment</b> |   | Status | URLs (where appropriate) |
|-----------------------------|---|--------|--------------------------|
| Starter                     | Eclipse project archive<br>- pacemaker-console                                      |        |                          |
| Baseline                    | github repo<br>- pacemaker-console  |        |                          |
| Good                        | maven github repos:<br>- pacemaker-service<br>- pacemaker-console                   |        |                          |
| Excellent                   | pacemaker-service provides REST API<br><br>pacemaker-console access API (over http) |        |                          |
| Outstanding                 | pacemaker-service deployed to cloud<br><br>pacemaker-client access cloud service    |        |                          |

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# Language Features

Approach adopted (brief)

Starter

Java

n/a

Baseline

Java

n/a

Good

Java with Lambdas

Excellent

Java with Streams OR Kotlin

Outstanding

Kotlin

*Demo*