

## D4.2 Platform Implementation (First version)

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Abstract (few lines):	This document is a short manual of the U-TURN platform that contains a description of the code submitted as the main part of D4.2, instructions for installation of the U-TURN platform for pilots 1 and 2 along with the web-links where the platform is accessible to current U-TURN users.



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## 1 Description of code

All following descriptions apply to both pilots of the U-TURN project, i.e., pilot 1 and pilot 2.

### 1.1 Code structure

Table 1: List of the U-TURN platform code sources per component and layer

Layer	Component	Java package	Angular source
Data Collection	Data Cleansing	com.urn.platform.dataCleansing	-
	Database	com.urn.platform.configuration com.urn.platform.dao.impl com.urn.platform.dao.interfaces com.urn.platform.core	-
Collaboration	Matching mechanisms	com.urn.platform.internalInterfaces com.urn.platform.matchingAlgorithm	-
	Preferences Modelling	com.urn.platform.internalInterfaces com.urn.platform.matchingAlgorithm	-
	Sensitivity Analysis	com.urn.platform.internalInterfaces com.urn.platform.matchingAlgorithm	-
Reporting	Matching results	com.urn.platform.rest.requests com.urn.platform.rest.responses	app/scripts/app.js app/scripts/controllers.js app/scripts/services.js app/views/*
	Improvement estimation	com.urn.platform.rest.requests com.urn.platform.rest.responses	app/scripts/app.js app/scripts/controllers.js app/scripts/services.js app/views/*
	Analytics	com.urn.platform.rest.requests com.urn.platform.rest.responses	app/scripts/app.js app/scripts/controllers.js app/scripts/services.js app/views/*
Security	Security components	com.urn.platform.security com.urn.platform.security.model com.urn.platform.security.service com.urn.platform.configuration	app/scripts/app.js app/scripts/controllers.js app/scripts/services.js

### 1.2 Submitted code

U-TURN-platform.zip file contains 4 zip files

1. urn-pilot1-frontend.zip
2. urn-pilot1-backend.zip
3. urn-pilot2-frontend.zip
4. urn-pilot2-backend.zip

## 2 Server deployment and DEMO access

### 2.1 Server Deployment

Requirements:

- Java Runtime Environment (JRE) v8.0
- MySQL server 5.7
- Apache Tomcat 7

Deployment:

- Build the spring project using either the Maven build plug-in of an Eclipse-based IDE or by command prompt using the *mvn package* command.
- Place the .war file generated from maven build in the *webapps* folder of the Apache Tomcat server.
- Build the angular project by command prompt using the *gulp* command.
- Place the *dist* generated folder from gulp build in the *webapps* folder of the Apache Tomcat server.

### 2.2 DEMO access

Pilot 1 : <http://195.251.249.158/uturn/#/login>

Credentials:

**Admin Account**

username: admin

password: uturnP@\$

**Company1 Account**

username: user1

password: user1pass

**Company2 Account**

username: user2

password: user2pass

Pilot 2: <http://195.251.232.120:8080/uturn-pilot2/#/login>

Credentials:

**Admin Account**

username: admin

password: uturnP@\$

**Company1 Account**

username: user1

password: user1pass

**Company2 Account**

username: user2

password: user2pass