# Task Schedule

Stav Alfi and Shachar Rosenman

December 1, 2017

## Feature 1: Getting started. IN PROGRESS

(i) Understand what .torrent files are.

(ii) How to communicate with a tracker.

(iii) How to communicate with a peer.

(iv) Paper - Introduction and related work.

## 1 PBI-1: Create work space. DONE

1. Git repository GitHub. DONE

2. Configure branch protection + pull request. DONE

3. Create automatic build: compilation + Units tests + cucumber tests Travis-CI. DONE

## 2 PBI-2: Shachar training. IN PROGRESS

1. Git - add,commit,branch,checkout,merge,push,fetch. IN PROGRESS (shachar)

2. Github - pull requests. IN PROGRESS (shachar)

3. Travis-CI - understand what it is and how to run a build. IN PROGRESS (shachar)

4. Cucucmber - feature,scenario,steps,step-definition,debug steps. IN PROGRESS (shachar)

## 3 PBI-3: Fully understand torrent file structure. DONE

1. List of information types which are saved in a .torrent file. DONE (shachar, stav)

2. Understand how much parts there are for a file. Where can we get this information for each torrent

3. file. DONE (shachar, stav)

4. What library in java we need to use to read and analyze .torrent files. DONE (shachar, stav)

## 4 PBI-4: Get details about a given tracker. DONE

1. Find the protocol and port which enable us to communicate with a given tracker. DONE (stav)

2. List the methods we can run on a given tracker. DONE (stav)

3. Get list of peers information from this tracker on a specific torrent. DONE (stav)

4. Extract a peers IP from a seeder information. DONE (stav)

## 5 PBI-5: Communicate with a seeder. IN PROGRESS

1. Find the protocol and port which enable us to communicate with a seeder. IN PROGRESS (stav)

2. List the methods we can run on a given seeder. NOT STARTED

3. Ask if he have the file specified by the torrent file. NOT STARTED

4. Which parts a seeder have from a file until now. NOT STARTED

5. Download one random part from a seeder. NOT STARTED

## 6 PBI-6: Others. NOT STARTED

1. Learn how to work with latex.

2. transform this file to latex.

3. Create a paper on: NOT STARTED 14.12.17

    (a) What are we building.

    (b) How client torrent application work.

    (c) What our application do,add,won't do compared to other client torrent applications.

    (d) How our application will work including technologies.