## Functional Requirements

## R1 – Search Source Websites

The app shall allow the user to search for appropriate data from job advertisement and social media websites. Social media websites which require a user account to access posts on them shall be available to search only for users who can provide their login details for that site.

***Rationale:*** *Client expressed the desire to integrate job vacancies posted on social networking sites into the results returned in response to user searches.*

### R1.1 – Search Facebook and Twitter

The app shall search for results from a selection of pages/feeds on Facebook and Twitter, and may also search Twitter for public posts with relevant specific hashtags.

***Rationale:*** *Searching all of Facebook would be impossible, but selecting a number of relevant recruitment pages will provide a sufficiently rich collection of results. Twitter allows the ability to not only filter all public posts by hashtags, but also to search by location.*

### R1.2 – Search LinkedIn

The app shall allow for searching for results on the Jobs section of LinkedIn.

***Rationale:*** *LinkedIn provides a Jobs API with a great deal of information about jobs.*

### R2 – Search Filters

The app shall allow for the selection and use of a number of search filters, from which the user may use as many as desired on any given search. These filters must include:

1. Specific location and radius parameter.
2. Hours of employment: up to 16 hrs; 16-24 hrs; 24+ hrs; any hrs.
3. [what?]
4. [what?]
5. Industry type (e.g. manufacturing, care, etc.)

***Rationale:*** *Filtering search results allows the user to receive a set of results more relevant to the type of employment they are best-suited to.*

### R3 – Search Results

The user shall be provided with full details of each relevant vacancy, along with information on how to apply.

***Rationale:*** *Sufficient detail must be provided so that users are not unwittingly applying for vacancies for which they have inadequate training or experience, and so they apply in the manner the employer desires.*

### R4 – Additional Search Functionality

The following additional functionality may be provided for the user via the app:

* [I is NOT happening]
* Calculation of travel time to place of employment from a postcode.
* Identification of training or new employment opportunities in the search area.
* Facility to search ‘other’ (non- social network) sites for job vacancies (e.g. Gumtree).

***Rationale:*** *Client has requested these additional features upon completion of all other essential features.*

### R4 – Activity Logging

All relevant jobseeking activity undertaken through the app by the user shall be logged.

***Rationale:*** *Detailed logging allows for rich data of the user’s efforts to find employment to be collected, and provides greater accountability in relation to this.*

### R5 – Activity Diary

An automated digital equivalent to the paper ‘diary’ system currently in use shall be provided. [The user shall be able to add information to certain areas of this diary, but manually-entered data shall appear differently from automated data to ensure that no tampering takes place].

***Rationale:*** *Use of a paper-based system puts a great amount of trust on the user, and allows for manipulation of the facts. A digital diary saves paper, requires no additional effort on the part of the user, and provides a reliable and detailed account of the user’s activities in seeking employment.*

### R5.1 – Single-Screen Diary Summary

A single-screen summary view of the user’s relevant jobseeking activity over the relevant period [2 weeks?] shall be provided by the app. This view shall detail a concise breakdown of the number of searches made, the number of jobs applied for, the number of jobs viewed but not applied for, [and…?]

***Rationale:*** *In place of the current paper-based diary system, providing a breakdown of information which is both concise and sufficiently detailed will provide the [assessor?] with the ability to see a summary of the user’s jobseeking activity ‘at-a-glance’.*

### R5.2 – Scrollable Activity Log

The app shall provide a scrollable activity log of all of the user’s relevant job application activity over the relevant period [2 weeks?]. This information shall provide the date on which each search result was viewed, along with the status of each – e.g. [I dunno? Like… applied for? Declined? Not applied for? – if not applied for, the next section here will include details on WHY]

***Rationale:*** *[blablabla]*

### R5.3 – Detailed Individual Record Logs

Should a record be selected from the scrollable activity log, a dialog window shall be opened which shall display more detail on that particular record, such as […]

***Rationale:*** *[blablabla*]Non-Functional Requirements

### NR1 – Smartphone Compatibility

The app shall be available for smartphone devices.

***Rationale:*** *Client requests that app be tailored towards smartphone use.*

### NR1.1 – Android Compatibility

The app shall be available on Android smartphone devices.

***Rationale:*** *Due to time constraints of the project, development*

### NR1.2 – iOS & Windows Phone Compatibility

The app may be available on iOS and Windows Phone smartphone devices.

***Rationale:*** *blablabla*

### NR2 – Presence of DWP Logo

The app shall display the DWP logo on its home screen to fit branding.

***Rationale:*** *blablabla*

### NR3 – User-Friendliness

The app’s user interface must be suited to use by individuals with little or no experience or knowledge of smartphone apps or the job searching process, with simple language and clear options.

***Rationale:*** *blablabla*

### NR4 – Name

The app’s name must be engaging. [what…?]

***Rationale:*** *blablabla*

### NR4 – Personal Data

The app must not require the user to enter any personal data (e.g. DOB, NINO).

***Rationale:*** *blablabla*

### NR5 – Search Response Times

In the event of a user making a search for job vacancies, results should be returned within a reasonable period of time. A ‘loading’ message should be displayed for any search taking more than a few seconds, and – after a certain timeout period – an error message should be displayed and the search cancelled.

***Rationale:*** *blablabla*

### NR6 – Robustness

The app should never ‘break’ – any problems should result in appropriate error messages being displayed to the user, rather than the program crashing.

***Rationale:*** *blablabla*

### NR7 – Project Time Constraints

A working prototype of the app must be available by Friday 27th September 2013.

***Rationale:*** *This is the submission date for the project.*