



**Application as linkedin - Linkify**

**Sprint 1**



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## 1. Application as LinkedIn

### 1.1. Product Vision Statement

Its main

purpose is to help people network professionally. The basic service is free.

The site lets you find other business associates, clients, and colleagues whom you

already know. You "connect" with them through the site, and they then become part

of your network.

Vision of our Product is to help people network professionally to make them more productive and successful. Its mission is to help people to find other business associates, clients, and colleagues whom they already know. Its mission is to help people to learn about other companies and get industry insights.

**Stakeholders**

Following are the types of Stakeholders of our System:

* Job Seekers who have interest in system to find jobs.
* HR Manager or Recruiter who has interest regarding Jobs Posting etc.
* Business professional who has interest to expand his/her network.

### 1.2. Requirements and User Stories Backlog

**Requirements**

**Functional Requirements:**

* System should provide interface for the User to create an Account. There should be Registration form to enter Registration details and “Join now” button to submit Registration details.
* System should provide interface for the User to Login. There should be Login form to enter Login details and “Sign in” button to submit Login details.
* System should let the User to setup his/her unique profile. For this purpose, System should allow the User to add introduction, Professional Experience and Work Experience by accessing “View Profile” tab.
* System should enable the User to invite other users to join his/her network by accessing their profile. For this purpose, System should provide “Personalize Invite” tab at the Profile of other Users.
* System should allow the User to Accept or Reject invite of other Users. User should be able to click “Accept” button to accept Invite and “Ignore” button to ignore it.
* System should enable the Users to access “Messaging” icon to send DMs to other connected Users. User should be able to access “Attach” icon to add attachment to the message.
* User shall be able to report Harassment by accessing the message or post and selecting “Report” option from “More” icon tab.
* System should enable the User to Post a Job by accessing “Job” icon present at the homepage.
* System should enable the User to edit a job Post by accessing “Jobs” icon. System should provide “Manage job posts” option at the next interface that can be accessed by the User to edit his/her Job Post.
* System should allow the User to add Job Preference by accessing his/her Profile.
* User should be able to access Resume Builder to create a Resume. User should be able to upload a resume by accessing “Resume” section.
* System should enable the User to upload Resume while submitting Job Application.
* System should provide an option “Save and manage resumes and answers” to Users to save Job Applications. User should be able to access this option from Settings and Privacy interface.
* System should provide Notifications icon at homepage. System should allow the Users to access this notification icon to view and respond to Notifications.
* System should enable the User to access content. System should provide “Save” and “Unsave” options to User to save and unsave the content.
* System should provide “Work” icon at homepage. User shall be able to access it and shall click “Create Company Page” option to create Company Page.
* System shall allow the User to create an event by accessing “Admin Tools” tab.

**Non-Functional Requirements:**

* System should provide higher data transfer rate.
* System should provide better server response time.
* System should keep its database protected.
* System should be available 24 Hours.
* System should provide security features.

**Software Interface Requirements:**

* System should be able to connect to external websites.
* System should be able to optimize the time taken for any search result made on Application.
* System should be able to use cookies for better user-friendly experience.

**User Stories Backlog**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Product Backlog** | | | | | |
| **ID** | **As a** | **I want to**  **(User stories)** | **Priority** | **Sprint** | **Estimate (days, Fibonacci)** |
| **1** | As User | I want to create an account on the Application. | Should | 1 | 2 |
| **2** | As User | I want to login to the System using Email and Password. | Should | 1 | 2 |
| **3** | As User | I want to fill the details First and Last Name, Headline, Current Position, Location Information, Summary, Education details to add introduction in my profile. | Should | 1 | 1 |
| **4** | As User | I want to fill the details such as Information about Workplace as well as job title and Summary to add Professional Experience in my profile. | Should | 1 | 1 |
| **5** | As User | I want to add Work Experience in my Profile. | Should | 1 | 1 |
| **6** | As User | I want to access Application to send invite to Other Users. | Should | 2 | 3 |
| **7** | As User | I want to Accept invite of other Users on application. | Should | 2 | 1 |
| **8** | As User | I want to Reject invite of other Users on application | Could | 2 | 1 |
| **9** | As User | I want to logout from the system after using the system. | Could | 2 | 1 |
| **10** | As User | I want to send DMs to other connected users using the System. | Should | 2 | 2 |
| **11** | As User | I want to add the attachment to the message and send it to other connected User. | Should | 2 | 2 |
| **12** | As User | I want to report a message on the System. | Could | 3 | 1 |
| **13** | As User | I want to report a Post on the System. | Could | 3 | 1 |
| **14** | As User | I want to Post a Job on application. | Should | 3 | 2 |
| **15** | As User | I want to edit a job Post that has been posted by me. | Should | 3 | 1 |
| **16** | As User | I want to add Job Preference on System. | Could | 3 | 2 |
| **17** | As User | I want to create a Resume on System. | Should | 3 | 3 |
| **18** | As User | I want to upload Resume during Job Application. | Should | 4 | 2 |
| **19** | As User | I want to save job Application. | Could | 4 | 1 |
| **20** | As User | I want to access Notifications on application. | Should | 4 | 1 |
| **21** | As User | I want to View content on System. | Should | 4 | 1 |
| **22** | As User | I want to Save content on System. | Should | 4 | 1 |
| **23** | As User | I want to Unsave content on System. | Should | 5 | 1 |
| **24** | As User | I want to create Company Page on application. | Should | 5 | 2 |
| **25** | As User | I want to create an Event on application. | Should | 5 | 2 |
| **26** | As User | I want to use application in various languages. | Could | 5 | 4 |
| **27** | As User | I want to have IOS, Android, Linux, MacOS and Windows based system | Could | 5 | 5 |

### 1.3. Risk Assessment and Risk Management Plan

Risk Assessment and Risk Management Plan for our system is given below:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ranking** | **Threats**  **(1)** | **Vulnerabilit-ies**  **(2)** | **Contextual**  **Factors** | **Risks**  **(3)** | **Likelihood-od from 1 to 5** | **Impact from 1 to 5** | **Reduction of Threats** | **Reduction of Vulnerabilities** | **Level of Residual Risk** |
| 8  Medium | Inadequate Human Resources | Development team member may leave a project unexpectedly | Team Member is burned out.  Team Member is not engaged. | To be subject to inadequate  Human Resources | 2 | 4 | Project knowledge is adequately documented. | Maintain up-to-date documentation  Monitor the schedule and team utilization. | 4-Low |
| 6- Low | Poor Productivity of team | Unplanned timeframes | Lack of communication may leads to poor productivity.  Switching between the various tasks leads to the less productive work. | To be subject to poor Productivi-ty. | 2 | 3 | Determine Productivity Levels of development Team. | Utilize tools such as iteration reports.  Set achievable timeframes and a sustainable pace to increase productivity of team.  Keeping developers on one project or task at a time as much as possible. | 3-Very Low |
| 2- Very Low | Poor Code Quality | Projects are underestimat-ed and developer rush to complete the iteration. | Product might have been rushed and released without testing.  System may consist of full of bugs that could have been prevented. | To have poor code quality. | 2 | 1 | Improves Way of Working. | Code reviews.  Clear coding standards and guides.  Testing of all code.  Developer needs to maintain a high standard for code. | 2- Very Low |

### 1.4. Testing

**1.4.1 Test Case for User to Create an Account**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to create an account on application. |
| **Quick Description** | User will enter the details and click “Join Now” button on the Application to create account. |
| **Prerequisite** | User has installed or downloaded application. |
| **Input** | To register account, User enters his/her first and last name.  User enters his/her email address.  User creates a password for account and clicks “Join now” button. |
| **Expected Output** | User has created an account on Application. |
| **Observed Output** | User has created an account on Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Account is successfully created. |

***Table - 1: Test Case for User to Create an Account***

**1.4.2 Test Case for User to Login**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to login on application. |
| **Quick Description** | User will access Application to login using email address and password. |
| **Prerequisite** | User has installed or downloaded application and created an Account. |
| **Input** | To Login, User enters his/her email address and password.  Then User clicks “Sign in” button. |
| **Expected Output** | User has been logged in to the Application. |
| **Observed Output** | User has been logged in to the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Login Successful. |

***Table - 2: Test Case for User to Login***

**1.4.3 Test Case for User to setup Profile**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to setup his/her unique profile. |
| **Quick Description** | User will access app to setup his/her profile. Then User will add introduction, Professional Experience and Work Experience. Then User will click on “Save” button. |
| **Prerequisite** | User has accessed application and User has logged into the System. |
| **Input** | User clicks “Me” drop-down menu and clicks “View Profile”.  Then User clicks the pencil icon.  To edit Introduction, User will add First and Last Name, Headline, Current Position, Location Information, Summary, Education details and clicks “Save” button.  To add professional experience, User clicks ‘+’ icon present at the right of the "Experience" section. User will enter information about the workplace as well as how long User has worked there, what job title was, and a brief summary of his/her duties. Then User clicks “Save”.  To Edit a Work Experience, User clicks the pencil icon. User edits anything listed here, from the business' name to the length of time for which User worked there. Then User clicks “Save”. |
| **Expected Output** | User has changed his/her introduction, Professional Experience and Work Experience to setup his/her profile. |
| **Observed Output** | User has changed his/her introduction, Professional Experience and Work Experience to setup his/her profile. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: User Profile is updated Successfully. |

***Table - 3: Test Case for User to Setup Profile***

**1.4.4 Test Case for User to Invite Other User to join his/her Network**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to invite other users to join his/her network on application. |
| **Quick Description** | User will access Application to send invite to Other User. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | User navigates to the profile of other member he/she'd like to connect with.  User taps the “More” icon present in the top section of the member's profile and then taps “Personalize Invite”.  User enters his/her personalized invitation message and taps “Send Invitation”. |
| **Expected Output** | User has sent an invitation to other Users to join his/her network on the Application. |
| **Observed Output** | User has sent an invitation to other Users to join his/her network on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Invitation is sent Successfully. |

***Table - 4: Test Case for User to Invite other User to join his/her Network***

**1.4.5 Test Case for User to Accept or Reject Invite from Other User**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to Accept or Reject invite of other User on application. |
| **Quick Description** | User will access Application to Accept or Reject Invite from Other User. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. User has received an invitation Invite from other User. |
| **Input** | To accept Invite, User clicks the “Notifications” icon present at the top of homepage. Then User clicks the “Accept” to add the person.  To Ignore the Invite, User clicks the “Notifications” icon present at the top of homepage. User clicks “Ignore” to remove the invitation without accepting it. |
| **Expected Output** | User has accepted or rejected Invite of other User on the Application. |
| **Observed Output** | User has accepted or rejected Invite of other User on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Invitation is accepted or rejected Successfully. |

***Table - 5: Test Case for User to Accept or Reject Invite of Other User***

**1.4.6 Test Case for User to send Messages to Connected Users**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to send DM with attachment on application. |
| **Quick Description** | User will add the attachment to the message and send it to other connected User. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. Users are connected. |
| **Input** | To send a message with a file attachment, User taps the “Messaging” icon.  User taps the “Add” icon.  User taps the “Compose” icon.  User adds the recipient's name.  User drafts his/her message in the text box.  User taps the “Attach” icon.  User locates and selects the file he/she wants to include.  User finishes [composing his/her message and send](https://www.linkedin.com/help/linkedin/answer/1645). |
| **Expected Output** | User has send message with attachment to other Connected User on the Application. |
| **Observed Output** | User has send message with attachment to other Connected User on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: User has sent message Successfully. |

***Table - 6: Test Case for User to send DM with Attachment***

**1.4.7 Test Case for User to Report Harassment**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to report Harassment on application. |
| **Quick Description** | User will access the Post or Message and report it. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | User clicks the “More” icon in the upper right corner of the message or post, or on the right side of the comment.  User clicks “Report this post” or “Report”.  Then User selects “Harassment”. |
| **Expected Output** | User has reported Message or Post on the Application. |
| **Observed Output** | User has reported Message or Post on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Harassment is reported Successfully. |

***Table - 7: Test Case for User to Report Harassment***

**1.4.8 Test Case for User to Post a Job on Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to Post a Job on application. |
| **Quick Description** | User will enter Job details and will submit details to Post a Job. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | User click the “jobs” icon present at the top of homepage, and then clicks “Post a job” on the right.  User enters his/her account information such as email and password.  Then User enters his/her job listing’s company, job title and location.  User enters the job description.  User enters relevant list of skills.  User chooses an option that he/she would like the people to Apply for job.  User clicks “Continue” button.  User sets budget for a job and clicks “Continue”.  User enters payment information to check out his/her job. |
| **Expected Output** | User has posted a job on the Application. |
| **Observed Output** | User has posted a job on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Job is Posted by User Successfully. |

***Table - 8: Test Case for User to Post a Job***

**1.4.9 Test Case for User to edit a Job Post on Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to edit a job Post that he/she has posted on application. |
| **Quick Description** | User will access Application to edit a job Post. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. User has posted a job on Application |
| **Input** | To edit job post, User clicks the “Jobs” icon at the top of homepage.  User clicks “Manage job posts”.  User finds the job he/she wants to edit and clicks the “More” icon to the right of the title.  User clicks the “Manage Job” icon from the menu that appears.  User clicks the “Edit” icon in the section where User’ d like to make changes in and User clicks “Continue” to save edits. |
| **Expected Output** | User has edited a job Post on the Application. |
| **Observed Output** | User has edited a job Post on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Job Post is edited by User Successfully. |

***Table - 9: Test Case for User to edit a Job Post***

**1.4.10 Test Case for User to add Job Preference**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to add Job Preference on application. |
| **Quick Description** | User shall be able to add Job Preference on application. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | To add Job Preference, User clicks the down arrow next to “Me” in the top right of your home page.  User clicks “View Profile”.  User clicks “Open to” option present at Profile.  In the dropdown, User clicks “Finding a new job”.  User types titles in the grey bubble “Add title +”.  User adds locations he/she is willing to travel to. User types locations in the grey box titled “Add location +”.  User clicks the box next to “I’m open to remote work”.  User chooses start date preference.  User chooses the type of job he/she is looking for.  At last User clicks “Add to profile”. |
| **Expected Output** | User has added Job Preference on the Application. |
| **Observed Output** | User has added Job Preference on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Job Preference is added by User Successfully. |

***Table - 10: Test Case for User to add Job Preference***

**1.4.11 Test Case for User to create a Resume on Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to create a Resume on application. |
| **Quick Description** | User will access Application to create a Resume. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | To access Resume Builder, User clicks the “Me” icon present at the top of homepage.  User clicks “View Profile”.  User clicks the “More” button present in the introduction section.  User selects “Build a resume” option from the dropdown.  From the “Select a resume” popup User Uploads resume. User selects the “Upload resume” to upload a resume.  Or  User uploads resume from the “[Job Application Settings](https://www.linkedin.com/jobs/application-settings/)” page by clicking “Upload” under the “Resume” section. |
| **Expected Output** | User has created a Resume on the Application. |
| **Observed Output** | User has created a Resume on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Resume is created on the Application Successfully. |

***Table - 11: Test Case for User to create a Resume on Application***

**1.4.12 Test Case for User to upload Resume during Job Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to upload Resume during Job Application. |
| **Quick Description** | User will access Application to upload Resume during Job Application. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | To upload a new resume from computer or mobile device, User [searches for a job](https://www.linkedin.com/help/linkedin/answer/157).  User clicks or taps on a job title to view details.  User click or taps the “Easy Apply” button.  User completes the required fields.  Under “Resume”, User selects “Upload resume” to upload his/her resume.  User clicks or taps “Submit application” when finished. |
| **Expected Output** | User has uploaded Resume during Job Application. |
| **Observed Output** | User has uploaded Resume during Job Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Resume is uploaded during Job Application Successfully. |

***Table - 12: Test Case for User to upload Resume during Job Application***

**1.4.13 Test Case for User to Save Job Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to save job Application. |
| **Quick Description** | User will access Application to save Job Application. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | To save job application answers, User clicks the “Me” icon present at the top of homepage.  User selects “Settings & Privacy” from the dropdown.  User clicks the “Privacy” tab at the top of the page.  Under the Job seeking preferences section, User clicks “Change next to Job application” settings.  Under Save and manage resumes and answers, User switches the toggle to On to enable the saved answers functionality. |
| **Expected Output** | User has saved a job Application. |
| **Observed Output** | User has saved a job Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Job Application is saved Successfully. |

***Table - 13: Test Case for User to save Job Application***

**1.4.14 Test Case for User to access Notifications on Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to access Notifications on application. |
| **Quick Description** | User will access Application to access Notifications. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | User accesses Notifications by clicking the “Notifications” icon present at the top of the homepage. |
| **Expected Output** | User has accessed Notifications on the Application. |
| **Observed Output** | User has accessed Notifications on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: User has accessed Notifications Successfully. |

***Table - 14: Test Case for User to access Notifications***

**1.4.15 Test Case for User to View, Save and Unsave Items on Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to View, Save and Unsave content on application. |
| **Quick Description** | User will access Application to view, save, and Unsave content on the Application. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | To save content, User clicks the “More” icon on the upper right of the content you want to save and then User clicks “Save” from the dropdown.  To view saved content, User clicks “My items” on the left of homepage and then User clicks “Saved” posts from the list under My Items.  To Unsave content, User clicks the “More” icon on the upper right of the content User wants to Unsave and then User clicks  “Unsave”. |
| **Expected Output** | User has saved, unsaved and viewed content on the Application. |
| **Observed Output** | User has saved, unsaved and viewed content on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Content is saved, unsaved and viewed by User Successfully. |

***Table - 15: Test Case for User to View, Save and Unsave Items***

**1.4.16 Test Case for User to create Company Page on Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to create Company Page on application. |
| **Quick Description** | User will access Application to create Company Page. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | User clicks the “Work” icon in the upper-right corner of homepage.  User Scroll down and clicks “Create a Company Page”.  User selects the Page type and enters his/her Page identity, Company or Institution details, and Profile details information.  User checks the verification box to confirm that User has the right to act on behalf of the company or school.  User clicks the “Create page” button.  Then User clicks “Start building your page” to finish building Page. |
| **Expected Output** | User has created a Company Page on the Application. |
| **Observed Output** | User has created a Company Page on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Company Page is created Successfully. |

***Table - 16: Test Case for User to Create Company Page on the Application***

**1.4.17 Test Case for User to create Event on Application**

|  |  |
| --- | --- |
| **Tested Requirement** | User shall be able to create an Event on application. |
| **Quick Description** | User will access “Admin Tools” menu to create an Event. |
| **Prerequisite** | User has installed or downloaded application and has logged in to the System. |
| **Input** | User clicks “Create an event” option present in the “Admin Tools”. |
| **Expected Output** | User has created an Event on the Application. |
| **Observed Output** | User has created an Event on the Application. |
| **Verdict** | Test Case is passed. |
| **Comments** | [20/1/2023]: Event is created by User Successfully. |

***Table - 17: Test Case for User to create an Event***