# Requirements Specification for Forest

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## Introduction

### Purpose

This document describes selected requirements of the English version of the app “Forest”. The document is based on the IEEE 830 recommended practice for requirements specification. It is intended to illustrate how requirements for an app may be documented.

For questions and suggestions, please approach [samuel.fricker@bth.se](mailto:samuel.fricker@bth.se).

### Scope

[The name version of the system that you are describing]

Existing feature being specified: [One existing Feature]

New feature being specified: [In lecture L05: One new feature that you invent]

### Definitions, Acronyms, and Abbreviations

The following table lists terms (acronyms and abbreviations), gives their definitions, and documents the source for the definition.

|  |  |  |
| --- | --- | --- |
| Term | Definition | Source |
| End-User | A person that is interacting with the app through the graphical user interface. |  |
| … |  |  |

### References

* IEEE 830 Recommended Practice for Software Requirements Specification: <http://www.math.uaa.alaska.edu/~afkjm/cs401/IEEE830.pdf>. This document was used to define the table of contents.
* WeChat App Description on Google Play: <https://play.google.com/store/apps/details?id=com.tencent.mm>. This page was used to identify the features of WeChat v6.5.7 and to download a running instance of the app.
* Pohl, K., Rupp, C. (2015): Requirements Engineering Fundamentals. Rocky Nook. This book was used for selecting requirements specification practices.

### Overview

The remainder of this document is structured as follows. Chapter 2 gives an overview of the specified app. Section 3 specifies the detailed requirements.

## Overall Description

### Vision

[Describe the Vision of the app, focusing on your new feature]

### Storyboard

### Viewpoints

* + 1. Users

[Describe the user]

* + 1. External Systems

|  |  |  |
| --- | --- | --- |
| External System | Description | Needs |
| Operating System | The program runs on the operating system, and part of its functionality is based on acquired permissions | The application can obtain permission that applications are displayed at the top and permission that retrieves the running application with the user's permission. API for permission:  <https://developer.android.com/guide/topics/permissions/overview> |
| WeChat Server | The WeChat server running the WeChat back-end. | A user sends a payment order to WeChat payment and returns a confirmation message after the payment is completed. API for WeChat:  https://pay.weixin.qq.com/wiki/doc/apiv3/open/pay/chapter2\_5\_0.shtml |
| Alipay Server | The Alipay server running the Alipay back-end. | A user sends a payment order to Alipay and returns a confirmation message after the payment is completed. API for Alipay: <https://opendocs.alipay.com/apis/api_1/alipay.trade.app.pay> |
| PayPal Server | The PayPal server running the PayPal back-end. | A user sends a payment order to PayPal and returns a confirmation message after the payment is completed. API for PayPal: https://developer.paypal.com/docs/api/payments/v2/ |
| Weibo Server | The Weibo server running the Weibo back-end. | A user shares information about the application and send it to third-party social software. API for Weibo: https://open.weibo.com/wiki/移动客户端接入 |
| Twitter Server | The Twitter server running the Twitter back-end. | A user shares information about the application and send it to third-party social software. API for Twitter: <https://dev.twitter.com/rest/public> |
| Facebook Server | The Facebook server running the Facebook back-end. | A user shares information about the application and send it to third-party social software. API for Facebook: <https://developers.facebook.com/> |
| Instagram Server | The Instagram server running the Instagram back-end. | A user shares information about the application and send it to third-party social software. API for Facebook: https://developers.facebook.com/docs/instagram/sharing-to-feed |

* + 1. Other Viewpoints

### Features

### Constraints

## Specific Requirements

### Feature 1…

### Feature 2…

### Data Perspective