**Rydlr Cloud Services** Project Tools & Technologies

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# **Development** tools & technologies

## ENVIRONMENT

OS of choice that can run all the tools we need with minimal fuss.

For Windows and MacOS, install virtualbox so that you are able to run linux based virtual machine images and docker. Docker on Windows is very problematic so we hope your local machine has enough juice to run additional virtual machines.

## Wireframing (UI/UX)

1. Adobe xD (preferred for resource and component sharing)

(<https://www.adobe.com/products/xd.html> choose “Start for Free”)

2. Any prototyping/wireframing tool of choice that is available in community edition due to licensing

## DATABASE

**Server**

Recommended to install a local Mysql db for local development and unit/integration tests

**MySQL (version 4.4.0)**

[URL: hMySQL.com/try/download/community](https://www.mongodb.com/try/download/community)

Steps:

1. select On-Premises section
2. download under MySQL Community Server depending on the platform you are using

### MySQL Workbench Clients

1. robo 3T (basic) community edition and recommended for basic db operations
2. studio 3T (with much more mature ui and tools, but requires license, best suited for DB Administration work)

download url: <https://robomongo.org/download>

1. MySQL Compass

download url: [https://www.MySQL.com/try/download/compass](https://www.mongodb.com/try/download/compass)

## BACKEND

REST (understand how REST exchanges happen)

Flask

Language Python

Version 3+

**IDE**

Visual Studio Code

## FRONT END

Visual Studio Code Editor or any tool of choice

Technologies to use:

1. Javascript (basically)
2. ReactJS
3. JSX
4. Redux
5. HTML5
6. jQuery (for some ui components)

## VCS

GitHub (requires invite to project)

access\_url: <https://github.com/>rydlr-cloud

Familiarize with git actions/commands by practicing on the link below:

[https://learngitbranching.js.org/](https://meet.google.com/linkredirect?authuser=1&dest=https%3A%2F%2Flearngitbranching.js.org%2F)

## Office Suite

Feel free to use either

**Google Docs** (preferable for collaboration)

access\_url: [https://docs.google.com](https://docs.google.com/)/ (requires gmail account or GSuite account. At the moment interns have no company emails due to the nature of the contractual engagement hence cannot access GSuite tools available to the company. )

**LibreOffice**

download url: <https://www.libreoffice.org/download/download/>

## Project/Task/Issue Management

**Clickup**

* All project activities will be recorded in Rydlr Cloud Services' clickup
* hours to be estimated and logged per task by each team member

access\_url: [https:/](http://projects.mobilitafrica.com/)/clickup.com (requires invite/permission from Rydlr Cloud Services admin)

Team members can use [Notion](https://notion.so/) for tracking their own personal work

## API Tools

**Management & Documentation**

Swagger IO

All API documentation will be done in Swaggerhub

access\_url: <https://app.swaggerhub.com/> (requires invite/permission from Rydlr Cloud Services admin)

## RESTFUL API testing tools

Postman (latest version) preferred

## CHAT ROOM/GROUP CHANNEL

Slack (Web and Mobile App)

access\_url: [https://rydlr.slack.com/](https://mobilit-africa.slack.com/) (requires invitation from Rydlr Cloud Services or self registration with a ryldr email)

## Conference calls/Online Meetings

Google Meet (Web and Mobile App)

access\_url: <https://meet.google.com/> (project manager to be invited in all meetings arranged by team members)

## PROJECT METHODOLOGY & GUIDING PRINCIPALS

Agile

Read on [https://agilemanifesto.org/](https://meet.google.com/linkredirect?authuser=1&dest=https%3A%2F%2Fagilemanifesto.org%2F) if you haven’t read it before.

## Bot

Telegram account

## Checklist

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| --- | --- |
| Item | On Check |
| VirtualBox (if using windows) |  |
| Adobe xD |  |
| MySQL (version 4.4.0) |  |
| Flask |  |
| Language Python |  |
| Version 3+ |  |
| ReactJS |  |
| JSX |  |
| Redux |  |
| Git |  |
| Gmail Account |  |
| LibreOffice |  |
| Postman |  |
| slack mobile app |  |
| Google Meet mobile app |  |
| Telegram account |  |