



Deployment

 This document contains information on all the deployed versions and future deployment plans.

Deployment Information

- **Website URL:** <https://deploy.d3ltskl8ryle97.amplifyapp.com>
- **Newest Deployment Date:** 14 Sep, 2023
- **Deployment Environment:** AWS
- **Deployment Method:** GitHub Actions
- **Code Repository (for deployment only):**  [GitHub - V1ncenTNg02/Vis-CAT-99 at deploy](#)
 - Branch: `deploy`
- **Code Repository (for continuous development):**  [GitHub - FionaZZhang/Vis-CAT-99](#)
 - Branch: `main`

Releases

Version	Date	New Features	Status
1.0.0	14 Sep, 2023	Home: all features of home page. Account: scan, show icons, select. Game: full game process and logic. Playground: raw drawable playground. Settings: full setting options. Voice instructions: built in voices.	OUTDATED
1.1.0	22 Sep, 2023	Playground: decorated. Account: selection process. Game: improvements on scrolling. Voice instructions: human voices, mute button.	OUTDATED
2.0.0	15 Oct, 2023	Deploy environment: AWS Amplify Account: fix QR code scanning functionality. Lobby: move challenges from game page to lobby page. Game: increase usability of touch screen logic. Voice instructions: Use voice recordings of team members. Refine logic of the app and fix minor bugs.	IN USE

Version Naming Convention

Semantic Versioning (SemVer): `MAJOR.MINOR.PATCH`

- `MAJOR` version is incremented for backward-incompatible changes.
- `MINOR` version is incremented for backward-compatible additions.
- `PATCH` version is incremented for backward-compatible bug fixes.

Deployment Steps for AWS

Local:

- build web application locally

Git:

- Upload the deploy version to branch "Deploy"

AWS:

- On AWS Amplify console click host web from github
- Select branch that the deployed version is in
- Enable AWS to auto host the app
- Click deploy and save
- AWS will provide a URL of the deployed web

Deployment Steps for Heroku

Heroku:

- Create app 'viscat'

Git action:

- Add '.github/workflows/main.yml'
- Secrets: `HEROKU_API_KEY`

Project:

1. Build: `npm run build`
2. Download heroku CLI: `npm install heroku`
3. Add 'static.json'
4. `heroku login` and login
5. Add current git to heroku: `heroku git:remote -a viscat`
6. Change heroku build package to support VUE
 - `heroku buildpacks:add heroku/nodejs`
 - `heroku buildpacks:add https://github.com/heroku/heroku-buildpack-static`
7. Change to heroku-20
 - `heroku stack:set heroku-20`
8. Push to git branch or heroku branch
 - `git push origin deploy`
 - `git push heroku main`

CI/CD:

There is a branch for deployment, called 'deploy', containing all files generated by running code "npm run build", which are files required to build a static website. After each deployment, we push those files into 'deploy' branch, and AWS Amplify will automatically build and deploy that website again. This guarantees that we can continuously build and deliver the latest version of the app and AWS Amplify will handle the deployment process for us.