**City University of Hong Kong**

Department of Computer Science

CS3343  Software Engineering Practice

2022-23 Semester A

Release Summary

Project Title: River crossing puzzle

(with customizable puzzle and solver)

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# Team member and roles

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| Name | Role |
| Lam Kin Hei, Jerry | Project Manager |
| Chau Wai Tong, Peter | Development Leader |
| Chin Man Chong, Julian | Programmer |
| Fung King Shun, Sam | Programmer |
| Chau Tsun Yu, Brian | Program tester |

# Progress

Release 1:

The 1.0 version of River crossing puzzle is released. User can play in sole gaming mode with nice command line interface.

Feature:

* River crossing puzzle simulator
* normal and hard mode available
* Nice gaming interface
* User friendly usage

Release 2:

The second release comes with an improvement of user interface and program efficiency. With the improvement of the algorithm, the prgram execution speed increased. The custom gaming mode is also released, user can extend the gaming level by input their own file.

Bug fixed:

* Game interface displayment have been solved. Boat no longer display on the corner and is centerline.
* Program would not be exit even user type a wrong command.

New Feature:

* move boat function can now support undo and redo.
* Custom game mode

Release 3:

The third release come with an innovation function. We include a new

“Solver” function is the program. User can watch the solution with detail   step display, which can help them in solving the river crossing puzzle.

New Feature:

* River crossing puzzle solver
* support custom file
* detail solution
* fast computation

# Release date:

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| --- | --- |
| Version | Release date |
| 1.0 | 30-9-2022 |
| 1.1 | 5-10-2022 |
| 2.0 | 12-10-2022 |