
Frogger by Jocktopus

Milestone 1: Project Pitch
brought to you by Beta Engine

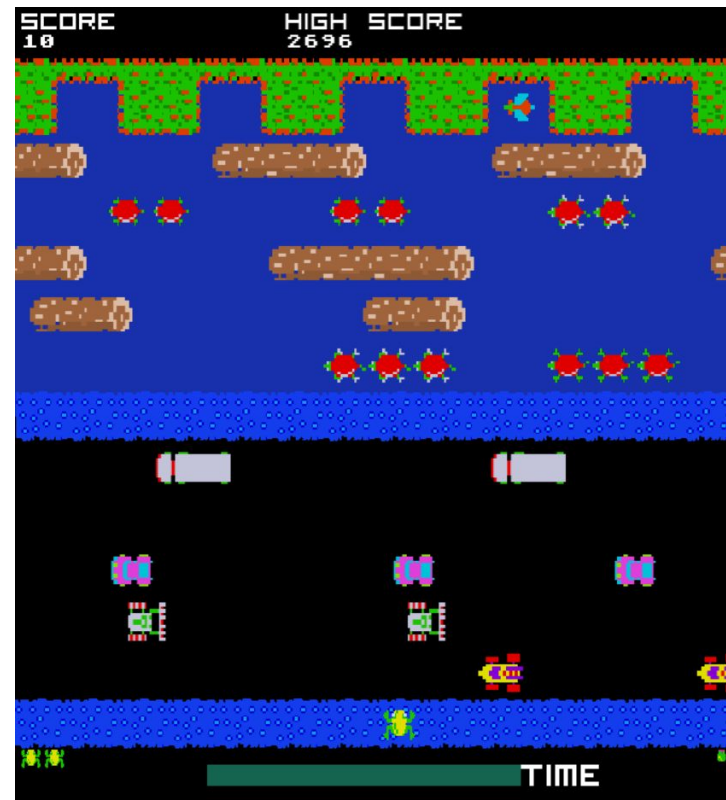
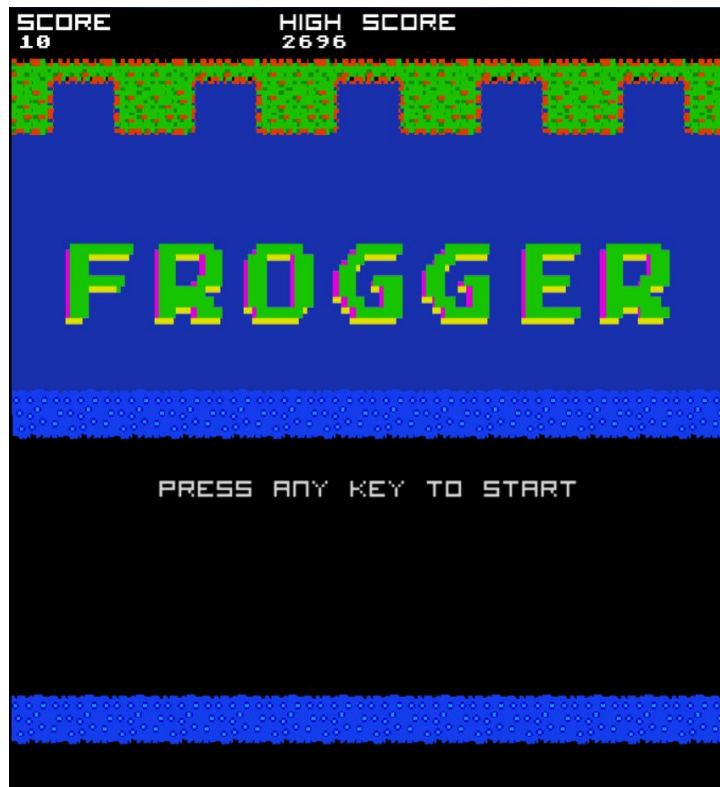
Team Structure – Names & Justification

- Game Director - Neo
- Producer - Jayden
- Tech Lead - Bar
- Programmer - Freddy
- Art Lead - Tina
- Artist - Stephen
- Sound & Music Lead - Bobby
- Design Lead - Kyle

High Concept

- Frogger is a 2D single player arcade game in which you must cross a dangerous highway and a raging river to reach your home.

REFERENCE



Design & Features

- You control a frog to cross a road
- Keyboard for input
- Movement with arrow keys
- Challenge type
- Cars moving as a hazard. Logs and turtles as platforms. green back turtles to show a sudden change.

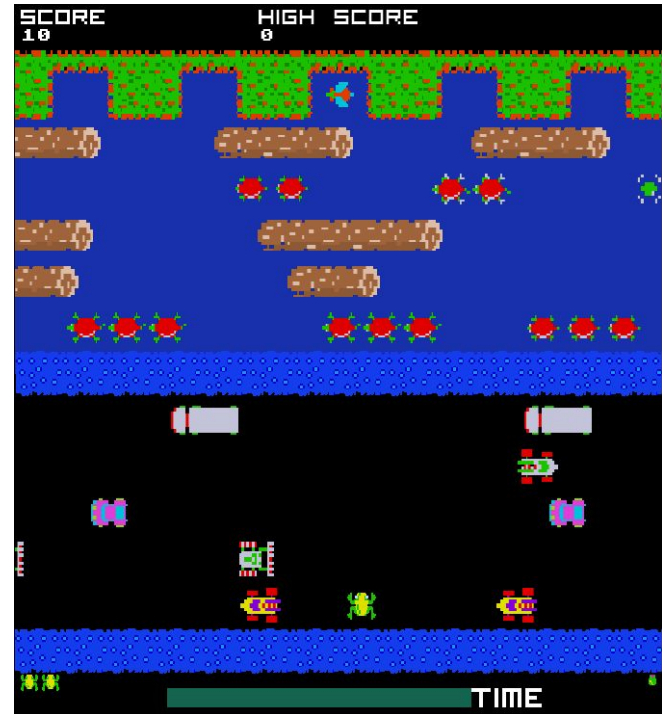
Engine & Features

- Beta Engine (Visual Studio)
 - Graphics
 - Colliders
 - Physics
 - Sound
 - Object Management
 - Space Management
 - Low level code allows more control

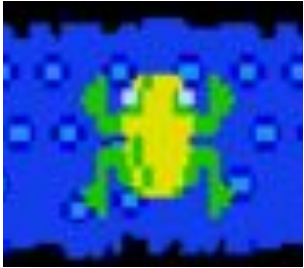


Art

- Art style:
 - Pixel art (using Piskel; Photoshop for touch-ups)
 - Flashy bright colors
- How will this strengthen game experience?
 - Aesthetically pleasing
 - Attention-grabbing colors



Art Asset Research



Audio – Music & Sound

- Total of 2 sound effects
- 1 day work
- Plus feature: Original Frogger music
- 2-3 days of work

Risk 1: Overworking, or Not Enough Work

- If someone starts working on something without giving notice, then it can't be documented, and may not be the right task.
- There are going to be times when a department doesn't have anything to do. This can stunt progress because there's always something to do.
- Solutions
 - When a department, pair, or individual teammate is going to start a new task, notify the Producer and/or Game Director.
 - When someone doesn't have any work, report to your department leader, Producer, or Game Director.
 - Examples: A programmer can learn piskel and make/finish sprites for artist. An artist can help the producer document.

Risk 2: Keeping it P.G.

- Don't add any explicit hints to violence. I.E. shooting, blood, gore, the frog screaming "I'm dying."
- Solutions
 - Don't do it.
 - Pay attention to how assets read to the player/viewer. Do they come across as explicitly violent?

Risk 3: Missing Persons

- If someone is missing, that would stunt our progress. So it's important to acknowledge who will be able/need to cover for each person, in case they are missing for any reason.
- Mitigations
 - No Game Director: Producer subs.
 - No Producer: Game Director subs or remaining team decides on who will take on additional responsibilities.
 - No Art Lead: Artist subs.
 - No Sound Lead: Programmer who can afford to will sub.
 - No Tech Lead: Design Director or Programmer subs, depending who can afford to take more responsibilities.
 - No Game Designer: Tech Lead or Programmer subs, same as missing Tech Lead process.

Risk 4: Too much Plus!

- Ambitions are high for our plus content. We may not be able to do everything we want to.
- Mitigations
 - Cut Plus Assets. We can decide how much we can realistically accomplish, and commit or cut accordingly.
 - Example: Programming projectiles or completely redo-arting the stage (not entities) don't fit in our remaining work time, so, cut them out.

Sound Schedule

Sound

- SFX - Completed by 3/29
 - Jump
 - Death
 - Win
- Music - Completed by 4/02
 - Begin (3 ditties chosen randomly)

Art Schedule

Task	File Name	Assigned To	Due Date	Complete Y/N	Other/ Notes
Blue Sidewalk	<u>BgSidewalk.png</u>	Stephen	3/29/2019	N	
Road	<u>BgRoad.png</u>		3/27/2019	N	
River	<u>BgRiver.png</u>		3/27/2019	N	
Green Slots	<u>BgSlots.png</u>		3/29/2019	N	
Title	<u>UITitle.png</u>		3/27/2019		
Pink Car	<u>PinkCar.png</u>		3/28/2019	N	
Peppermint Bulldozer	<u>Bulldozer.png</u>		3/28/2019	N	
Yellow Race Car	<u>YellowRaceCar.png</u>		3/28/2019	N	
Christmas Race Car	<u>ChristmasRaceCar.png</u>		3/28/2019	N	
Truck	<u>Truck.png</u>		3/28/2019	N	
MC Frog	<u>PlayerFrog.png</u>	Tina	3/27/2019	N	
MC Frog Jump	<u>PlayerFrogSpriteSheet.png</u>		3/27/2019	N	
MC Frog Roadkill	<u>PlayerFrogRoadkill.png</u>		3/29/2019	N	
MC Frog	<u>PlayerFrogD</u>		3/29/2019	N	

Drown	<u>rown.png</u>				
Purple Frog	<u>PurpleFrog.png</u>		3/29/2019	N	
Yellow Purple Frog	<u>FrogSkin.png</u>		3/29/2019	N	
Happy Frog	<u>HappyFrog.png</u>		3/29/2019	N	
Laughing Frog	<u>LaughingFrog.png</u>		3/29/2019	N	
Fly Boi	<u>Fly.png</u>		3/28/2019	N	
Turtle Swim	<u>TurtleSwim.png</u>		3/28/2019	N	
Turtle Roll	<u>TurtleRoll.png</u>		3/28/2019	N	
Long Log	<u>LongLog.png</u>	Jayden	3/28/2019	N	
Medium Log	<u>MediumLog.png</u>		3/28/2019	N	
Short Log	<u>ShortLog.png</u>		3/28/2019	N	
Separate Letters -Game Over -Score -High Score -Time -Yes -No -Continue -?	<u>(Letter).png</u> Numbers first, then letters on one sprite sheet	Tina	3/27/2019	N	↑
Numbers 0-9	<u>(Number).png</u>		3/27/2019	N	

Tech Schedule

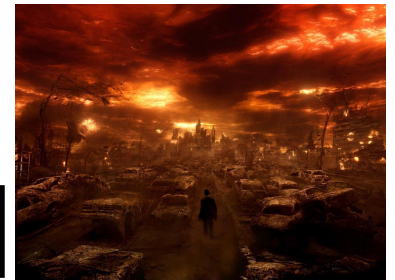
Task	File Name	Assigned To	Due Date	Complete Y/N	Other/Notes
Sprite-text	SpriteText.h/cpp	Bar	3/28/2019	N	Mostly done
Player movement	FrogMovement.h/cpp	Freddy	3/28/19	N	Inaccessible currently
Obstacle	<u>ItemMovement</u>	Kyle	3/28/19	N	

Movement	<u>ent.h/cpp</u>				
Purple Frog	PurpleFrog.h/cpp	Kyle	3/29/19	N	
Collision	FrogMovement.h/cpp	Freddy	3/32/19	N	
Scoring/Time/Lives	Score.h/cpp	Bar	3/29/2019	N	

Plus Content

- Plus Tech:
 - Adding more enemy AIs to fit with plus art
 - Snakes replaced by Tornados
 - Snake A.I.
- Plus Art:
 - Theme: Post-apocalyptic warzone
 - Reskinning characters + objects / Adding assets to fit the theme

Background Color Pallete:



Alpha Schedule

Milestone 1 - Alpha 3/29 Friday

By the end of Milestone One, Team Jocktopus should aim to be:

- Organize Team Meetings at start and end of class
- Create the Task Board and give daily assignments
- Keep other team members on track for daily checklist goals and scope.
- Work with Art, Tech, and Creative Leads on asset list and naming convention.
- Create digital file organization system
- Developed firm outside-of-school contact with other team members (through Discord, Google Hangouts, Canvas chat or texts).
- Provide an Alpha that consists of the basic scripts and sprites.
- Player and AI assets.
- Background asset.
- Both auditory asset completed and encoded in the demo.
- Player and AI movement code.
- Develop a reliable storage space for all assets (Github)
- Submit milestone 1 on class Canvas for team.

Beta Schedule

Milestone 2 - Beta 4/02 Tuesday

By the end of Milestone Two, our team should:

- Hosts team meetings at the start and end of class
- Keep tabs on file and team organization
- Captures game development process for presentation
- Submit Milestone 2 for the team
- Have all plus assets implemented into beta.
- Have no glitches/errors with first level.
- Have assets completely revised and tested in game prototype.

Milestone 3 – Release Candidate 4/04 Thursday

By the end of Milestone Three, our team should:

- Have all assets fully implemented and finalized.
- Have all tasks completed accordingly up to this date.
- Have final release be executed smoothly without any major inaccuracies or bugs.
- Be prepared to present and submit with the Game Director's final word.

Budget and Materials Request

- Research items: Internet, videos, and imagery. Making makeshift measurements or usage of refined pixel counting techniques will be used by the artists for pixel-perfect assets.
- Software: Beta Engine.
- Equipment: Computers, headphones, and personal devices.
- Third party assets: Piskel and or Photoshop

Thank you!

Frogger
by
Jocktopus

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