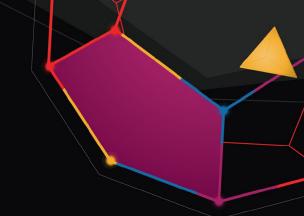


Development on a Shoestring: Ultra Low Budget Indie Gamedev



Oded SharonCEO, Corbomite Games







Who is Oded Sharon?

39 years old

Too many hobbies









Maker

Fireworks

Burner)'(

Super Geek

(Or: Why should you listen to me?)









Indie Game Developer!

- Making games for 18 years.
- Multiple Genres and platforms.
- •Alone in my pajamas at home.
- •Lead a company of 20 people.













What didn't I make?











What will we talk about?

Lots of shoestrings!

20 minutes / 100 slides

= 12 seconds











What will we talk about?

- Design Considerations
- Limited Resources
- Tools and tech
- PR and Marketing
- Case Studies (Bolt Riley/ Herbert's Quest)





Showstring Roundtable

Running for the 3rd year in a row! (Right after this talk, Room 122)

This talk is based on:

Things I learned from roundtable sessions.

Things I learned from my own experience.





GDC Vault

This talk will be available later on GDC Vault.

(Including all the links)

















Where to begin?











Passion!

It's the ultimate motivator!
Work on game for a while.
Your time being spent on
Something you love.



Watch:

TEDxBlackRockCity - Dan Ariely - Money Changes Everything https://www.youtube.com/watch?v=oV0cbCFGAtU









Bolt Riley - A Point and Click Reggae Adventure.









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Worked on it since 2011





You'll hear more Later.



















Scope

List of most expensive video games to develop

From Wikipedia, the free encyclopedia

This list is incomplete; you can help by expanding it.

The following is a list of the most expensive video games ever developed, with a minimum total cost of US\$50 million and sorted by the total cost adjusted for inflation.

Rank ¢	Name ¢	Year ¢	Developer ◆	Publisher ¢	Platform ¢	Development cost ¢ (million US\$)	Marketing cost ¢ (million US\$)	Total cost (million US\$)	Total cost with 2017 inflation • (million US\$)
1	Call of Duty: Modern Warfare 2	2009	Infinity Ward	Activision	PC, PS3, Xbox 360	50	200	250[1]	279
2	Grand Theft Auto V	2013	Rockstar North	Rockstar Games	PC, PS3, PS4, Xbox 360, Xbox One	137 ^[2]	128	265[3]	272
3	Final Fantasy VII	1997	Square	Square Enix, Sony Computer Entertainment (PS), Eidos Interactive (PC)	PS, PC	45 ^[4]	100[5]	145	216
4	Star Wars: The Old Republic	2011	BioWare	Electronic Arts, LucasArts	PC	200[6]	11	200+[7]	213+
5	Star Citizen	TBD	Cloud Imperium Games	Cloud Imperium Games	PC	142+[8][9]		142+	142+
6	Destiny	2014	Bungle	Activision	PS3, PS4, Xbox 360, Xbox One	<140[10]	<140[10]	140[10][11][12]	142
7	Grand Theft Auto IV	2008	Rockstar North	Rockstar Games	PS3, Xbox 360, PC	100[13]		100+[13][14]	111+
8	Too Human	2008	Silicon Knights	Microsoft Game Studios	Xbox 360	100 ^[13]		100 ^[13]	111
9	APB: All Points Bulletin	2010	Realtime Worlds	Electronic Arts, Realtime Worlds, Deep Silver (PS4, XB1)	PC, PS4, Xbox One			100 ^[15]	110
10	Red Dead Redemption	2010	Rockstar San Diego	Rockstar Games	PS3, Xbox 360	80-100[16]		100[17]	110
11	Max Payne 3	2012	Rockstar Studios	Rockstar Games	PC, Xbox 360, PS3	105 ^[18]		105[18]	110
12	Deadpool	2013	High Moon Studios	Activision	PS3, PS4, Xbox 360, Xbox One, PC			100[19]	103

https://en.wikipedia.org/wiki/List_of_most_expensive_video_games_to_develop









Scope



Match to team's abilities and resources!







F2P vs Premium?

Depends on team's marketing abilities, experience, and resources (and passion).

No right answer.





New vs Old?

Experimental?



Me Too!



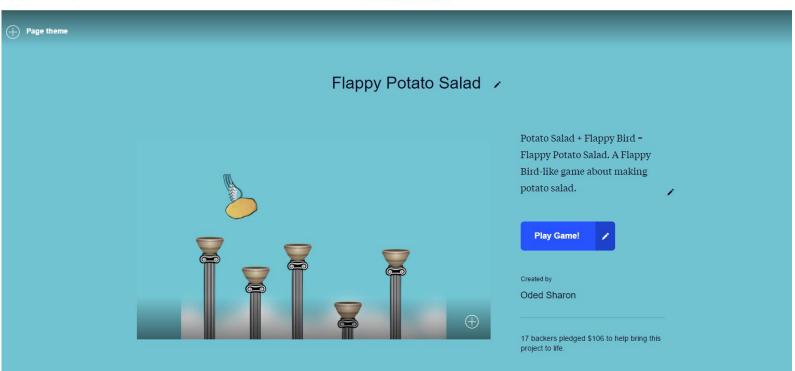






https://www.kickstarter.com/projects/soundguy/flappy-potato-salad

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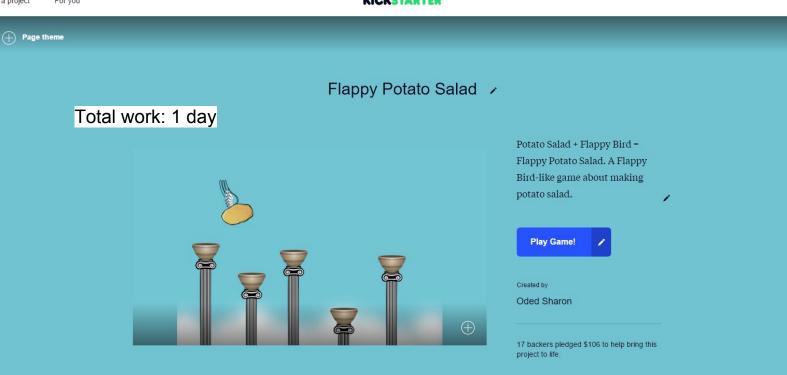






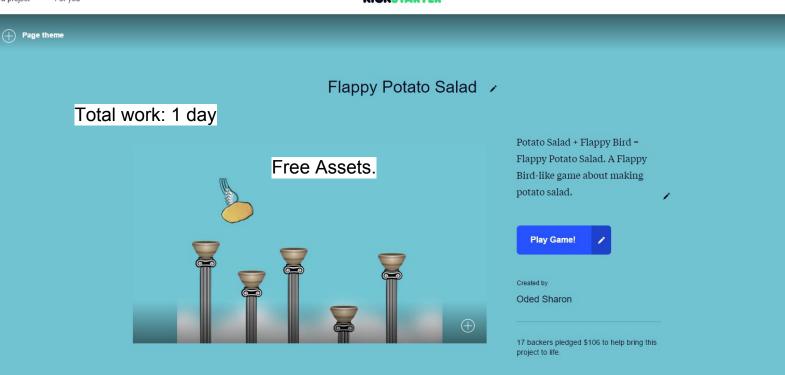
https://www.kickstarter.com/projects/soundguy/flappy-potato-salad

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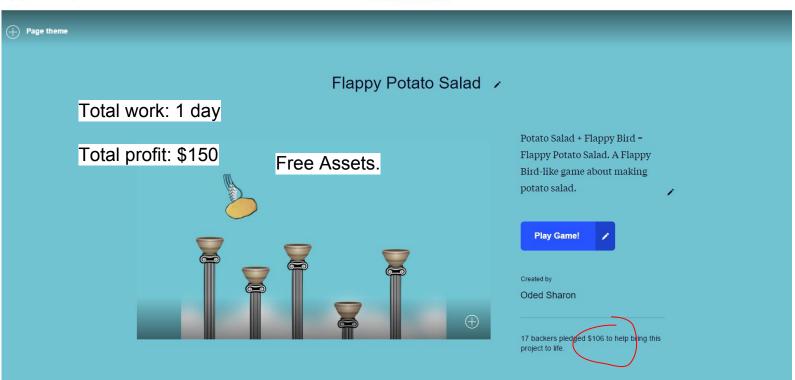






https://www.kickstarter.com/projects/soundguy/flappy-potato-salad

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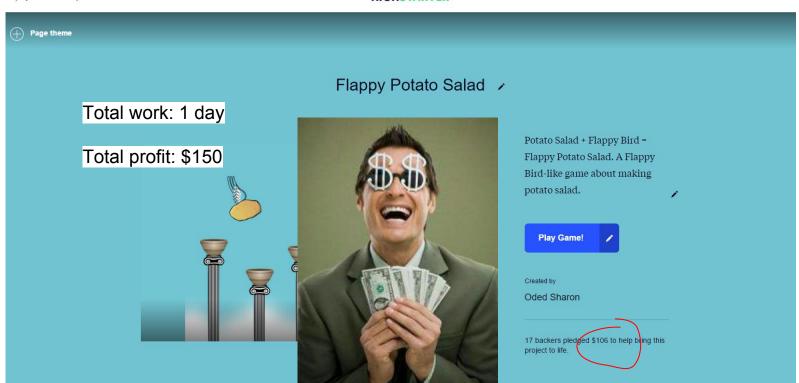
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t a project

For you

https://www.kickstarter.com/projects/soundguy/flappy-potato-salad

KICKSTARTER









Prototype and MVP!

Try and throw away bad ideas early = Spend less money on failures.





Playtest early, And playtest often.











Resources!

Ideal team:



Programmer



Artist



Sound



Designer?







Who are you?!









How to do things without a Programmer?

Frameworks and visual coding! (and full games!)









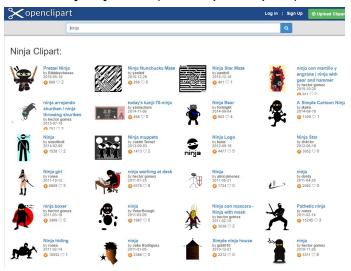
How to do things without an artist?

Find art at:

Asset stores



Royalty free (EG. Openclipart)





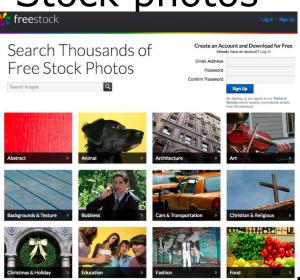




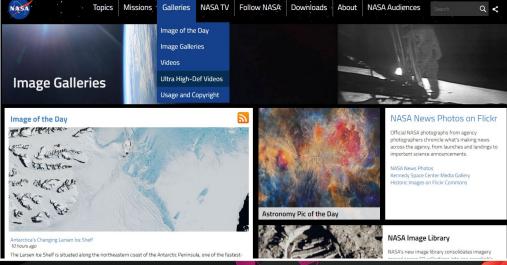


More free art resources

Stock photos



NASA





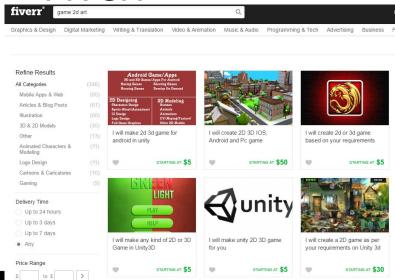




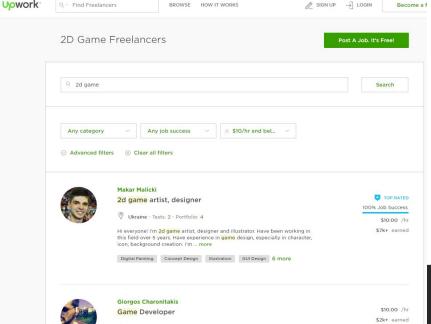


Cheap Artists

Fiverr



Upwork





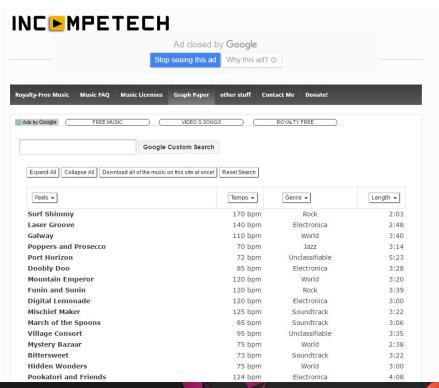


Cheap Sound

Royalty free music: Kevin Macleod

Free sound libraries

Free sound editor: Audacity









No Designer?











No Designer?











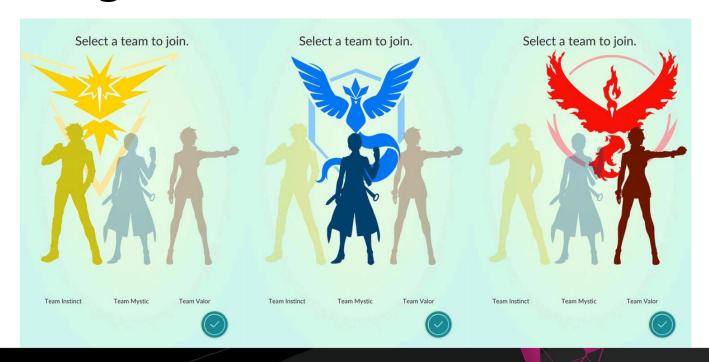








Finding Teammates











Game Jams











Experiment with new ideas.



http://www.castlegamejam.com/en_GB/2017/teams/the-conspiratea/







Team

About FAQ Games Locations News Sponsors



Keep Talking and Nobody Explodes (Oculus Rift + Razer Hydra)



Bomb defusing game using an Oculus Rift, a Razer Hydra, and two or more people! The objective of the game is for one player (wearing an Oculus Rift) to defuse a bomb by describing it to other player(s) and correctly following their instructions. The other player(s) must sift through instructions to find the correction action for the Rift player to take. Communication is key to survival! Add more players to the "helping" side for chaotic results.

Jam Site: Algonquin College - Game Dev

Jam Year: 2014

Diversifiers:

Can You Come And Play?: The game has a local multi-player mode

Platforms: MS Windows

Tools And Technologies: Unity (any product)

Technology Notes:

Requires an Oculus Rift and a Razer Hydra.

Installation Instructions:

Game requires an Oculus Rift and a Razer Hydra.

One player should start the executable while wearing the Rift and using the Hydra.

The other player(s) should have access to the bomb specification manual (BombManual.pdf) (either digital or hardcopy). The other player(s) should not be able to see the game screen.









Popular Jams















Popular Jams













Tech and tools













Other free/cheap game engines

Defold.

Twine.

. . .





Other free/cheap game engines

Defold. Construct 2. Game Maker.

Twine. AGS. Game Salad. RPG Maker.

. . .





Other free/cheap game engines

Defold. Construct 2. Game Ma

Twine. AGS. Game Salad. RPG

... many more.

(Full resource list at end of talk.)











Use Specific Frameworks?

Good: Cheap. Fast. Maintained.

Bad: Limitation. Bugs.











Team management tools











Keep everything online!















Servers + BAAS







\$5 / Month.





Free stuff

As a developer, you can get tons of free hardware and premium software!







Free Hardware I got.











Where to get stuff?

Conferences. Promotions. Awards. Or apply directly.











Where to get stuff?

Conferences. Promotions. Awards.

Or apply directly.

Example:

Oculus:

https://developer.oculus.com/hardware-request/





Free Programs

Microsoft Bizspark
Intel software partner
Facebook FBStart
Many more.







PR and Marketing







Free PR and Marketing

Indie PR is very covered online.

Resource list at the end.







Online Marketing

Posting in Facebook groups, and twitter is free.



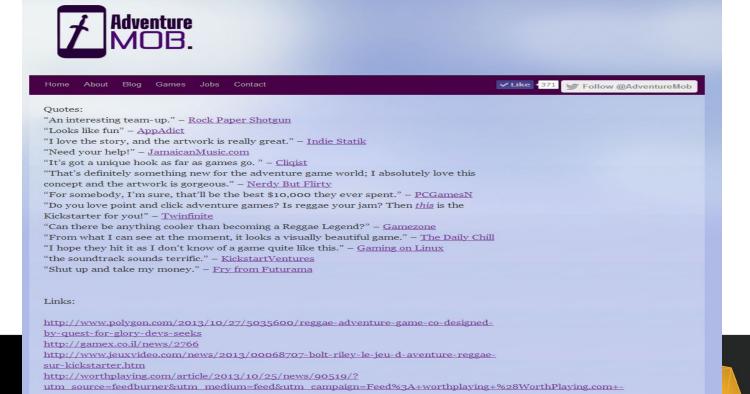








PR? Do it yourself!









Use #hashtags

What's popular now?

```
https://ritetag.com/best-hashtags-for/gam
eart
```





Relevant Hashtags

Short Term visibility

#gaming #indie #indiedev #gamedev #steam #art #game #picoftheday

Long term visibility

#indiegame #letsplay #unity3d #indiegames #gameart #gameplay #madewithunity #trailer #conceptart

special:

#IndieDevHour -Wednesday nights, starting at 7pm (GMT).

#ScreenshotSaturday - every Saturday

#wipwednesday - hashtag for 'work in progress'

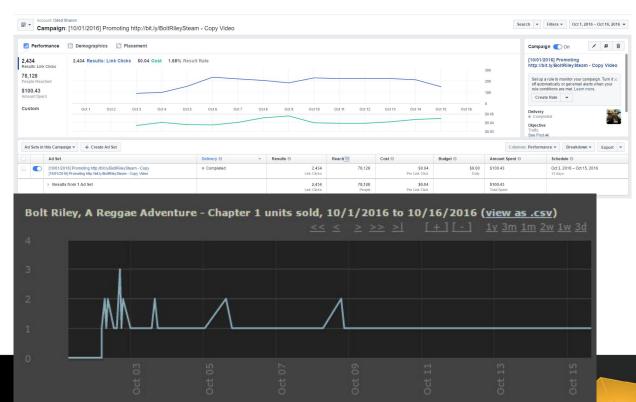
(Thanks Alon Kaplan @AlonKaplan for the tips used in @Moduwar)







Facebook ad + Steam sale











Facebook ad + Steam sale

\$456.43 total spent of \$500.00 account limit

Steam revenue

- Bolt Riley, A Reggae Adventure - Chapter 1

\$250

\$250









Develop Personal Brand

Become an indie star.



List of indie game developers - Wikipedia

https://en.wikipedia.org/wiki/List of indie game developers *

This is a list of independent video game developers, individuals or teams which produce indie ... This list is not intended to be exhaustive with respect to developers or their games, and includes only notable developers with notable games.











Conferences and Awards



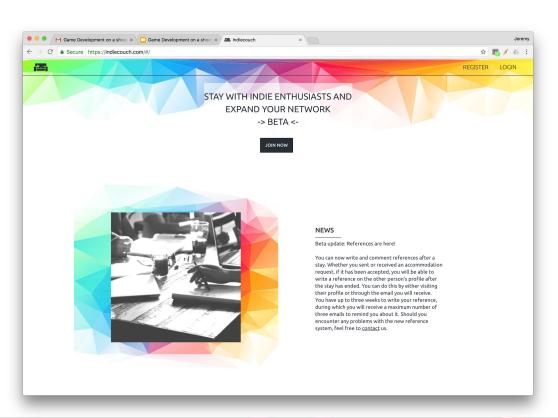






Couchsurfing

indiecouch.com











Fellowship of Parties











Learning from Failures!









Failures

If you keep failing, you might eventually succeed.



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Bolt Riley's Failure



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Impressing Collaboration









Numbers

Original budget: \$300,000.

Company burn rate \$60k / month.

Company shut down after 5 months.

75% complete game.





What now?









KICKSTARTER

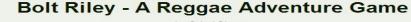








Kickstarter FAIL!



by Oded Sharon

Updates 18

Backers 1,082

Comments 1,954

Tel Aviv. Israel

Video Games

Funding Unsuccessful This project's funding goal was not reached on November 25.



1,082

\$51,668

pledged of \$120,000 goal

seconds to go



Paul Trowe, Andrew Alcott. and 97 more people you follow are backers.



Project by Oded Sharon Tel Aviv, Israel

Contact me

K First created . 181 backed

M Oded Sharon 3365 friends









"If at first you don't succeed, Skydiving is not for you."







What now?









Bolt Riley - A Reggae Adventure Game, Chapter 1.

by Oded Sharon

Updates 7

Backers 757

Comments 436

▼ Tel Aviv. Israel
▼ Video Games

Funded! This project was successfully funded on August 9.



757

Backers

\$32,104

pledged of \$31,668 goal

seconds to go



Chris Casey, Blair Erickson, and 98 more people you follow are











SUCCESS!

What now?









Finish the game....!

(and get OUYA \$32K FTG fund money)













??????



Razer Will Honor Ouya Devs 'Free **The Games' Fund Agreements**

by Kevin Carbotte July 29, 2015 at 11:12 PM - Source: Razer









Launched on Steam and Forge!









Lessons from Failure

Art is expensive
Experience in crowdfunding
Experience in Adventure Creator
Experience with Fiverr/Upwork
Working with Publishers is risky.





"The art of flying lies in learning how to throw yourself at the ground and miss."

 Douglas Adams, Life, the Universe and Everything





How to make a game for \$377









Unity Asset Store Sale



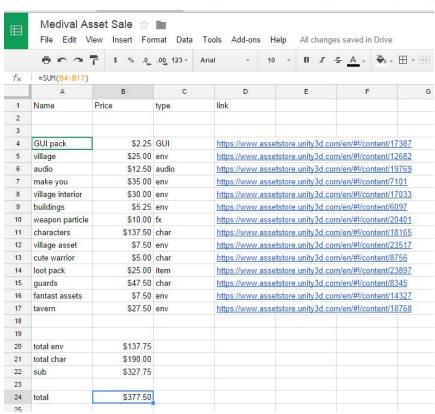






Did the math.

\$377 total assets.











Real Time Planning

Medeival Corbomite Games ☆ 6	₽ Public		
Todo	Indiegogo campaign ⊙	Done ⊙	Add a list
Hotspots to other NPC	Video	Make initial version	
Variables after conversation with goblin	Glf Images	conversation with Blip	
other conversation with goblin the	Launch	Launch IndieGogo campaign	
second time	Share with friends	Add a card	
closeups for conversation with goblin	Update Bolt Riley kickstarter Backers		
improve UI	Add a card		
Add chests			
Add inventory items - flyer, coins			
cameras in scene			
Add a card			









Indiegogo campaign

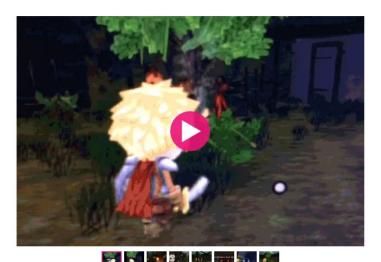


How It Works

Equity Offerings NEW



START A CAMPAIGN



InDemand

Herbert's Quest: A Medieval Madness Adventure Game

A hilarious little point and click adventure game that satires crowd funding and medieval RPG games.



\$1.202 USD total funds raised 186% funded on December 17, 2014













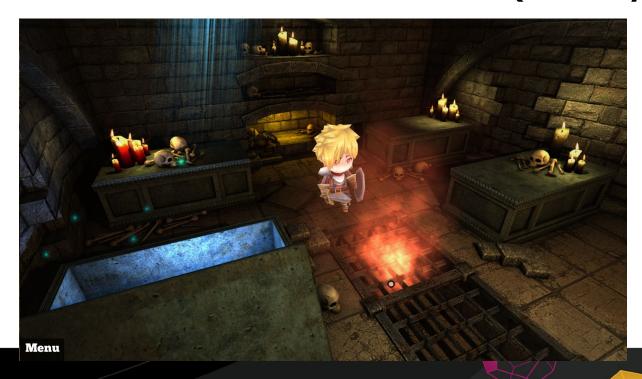
FEATURED







Used Adventure Creator (Unity)

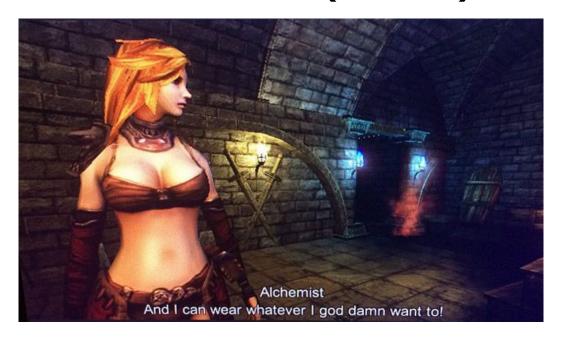








One week of work (Live!)











Hopefully launch in 2017.











Resources!

Next few slides will have bunch of links.



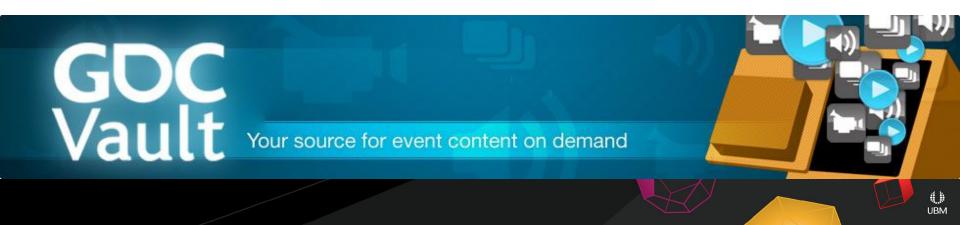




Resources!

Don't worry.

They will be available on GDC Vault later.







Resources!

But:

you can take a picture.









Useful PR and Marketing Resources

Articles:

5 low-cost marketing tips for indie game developers http://www.gamasutra.com/blogs/IevgenLeonov/20150402/240332/5_lowcost_marketing_tips_for_indie_game_developers.php

Five PR tips

http://www.gamasutra.com/view/news/196115/Five_PR_tips_indies_really_need.php

Chartboost's Tips

https://www.chartboost.com/blog/2016/04/insider-insight-low-cost-pr-practices-for-indie-mobile-game-developers/







Useful PR and Marketing Resources

Talks:

Guerilla marketing talk from GDC EU 2016 http://www.gdcvault.com/play/1023809/Guerrilla-Marketing-Games-PR-with

Guerilla Marketing Talks.

http://www.indiegamesplay.fr/en/sessions/guerrilla-marketing-games-pr-with-little-money-much-insanity-and-maximum-impact/

Everyone can do PR:

http://www.gdcvault.com/play/1023322/Everyone-Can-Do-PR-The https://gamebridgeu.wordpress.com/2016/11/12/indie-games-pr/









www.pixelprospector.com

List for game tools:

http://www.pixelprospector.com/the-big-list-of-game-making-tools/

List for PR:

http://www.pixelprospector.com/the-big-list-of-indie-game-marketing/

Tons of more free resources at their website

http://www.pixelprospector.com/indie-resources/





More Resources

Ludum Dare

http://ludumdare.com/compo/tools/

Global Game Jam

http://globalgamejam.org/jammer-resources

David Arcila's huge list

https://game-development.zeef.com/david.arcila







Highly recommended talk!



Darius Kazemi, Tiny Subversions - XOXO Festival (2014) - YouTube

https://www.youtube.com/watch?v=I_F9jxsfGCw







Have something to add?

Come discuss more:

Game Dev on a Shoestring Roundtable right after this!

Room 122, North Hall





Thank you.

Contact me:

http://bit.ly/OdedGDC2017

@SoundGuy
LowGDC@odedsharon.com





