

## **Concept to Reality**

Creating and Growing PopCap's Solitaire Blitz

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# Takeaways

#### Using Solitaire Blitz as an example, learn...

- How to evaluate Playability and Viability
- Lessons about Staffing vs. Projections
- Lessons on Monetization and Social Features
- Specific Do's and Don'ts

#### What is Solitaire Blitz?

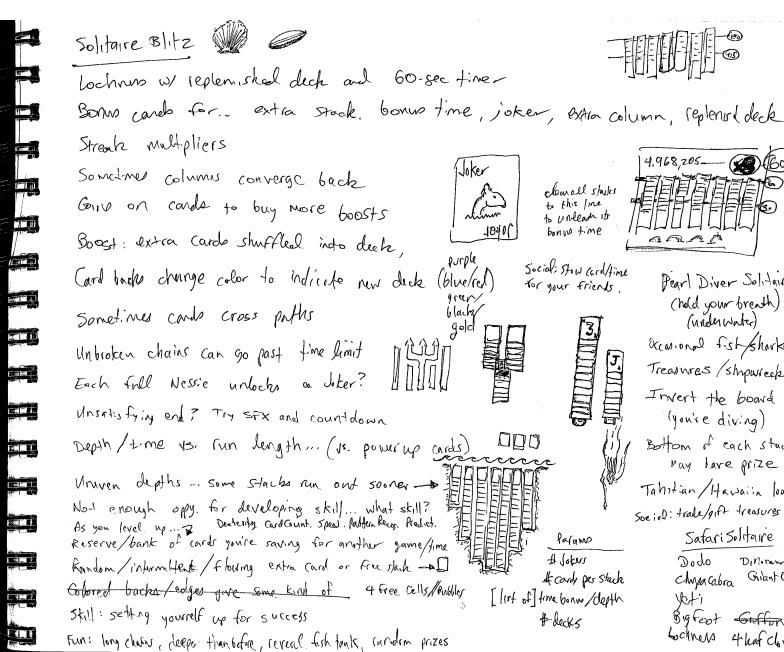
- Time-limited, boost-filled Blitz-style game
- Currently available on Facebook
  - Live in March 2012
  - 5+ million installs
  - ∼450,000 DAU
  - ~20-person team

# Origins

- Fall 2010...
- Hey, Blitz games are fun!
- But we're missing out on virtual good\$\$\$
- Try to blend the two...

# **Initial Concept**

- What's more universal than Bejeweled?
  - Solitaire!
- Which variant is fast enough for Blitz?
  - Golf!
- Why is it 60 seconds?
  - Hold your breath!





4,968,205\_

Pearl Diver Solitaire (hold your breath) (underwater) Occasional fish sharks Treasures / showreeks Invert the board (you're diving) Bottom of each stack May have prize Tahitian/Hawaiin look Social: trade/gift treasures

Safari Solitaire Dodo Dilloram Chypa Cabra Griant Octo,

Pearl Di	ver Meta Game		ESO OS	20	
Sets of  Sets of  Fish/sea  Coias au	shells fearl Mural  creatures Jevelry  crost fine arrangement  ages Store to hut  store to hut  store to hut  Aratar  Coustomize  accernize  nume to title  Learning  te Real seas/isla  real sunk freas  upgrade  Real sunk freas	Map of Islands  Dive in New Spots  Harvest new beds  Topography changes  Depth/profile varies  Diff. types of trewwe  7 Seas  Colors, creatures, cultures  Ea. hand moves boost  a little bit  rds (see something  rlarby while  Touise down  there)  other largs  of the Real,  he sea, etc.)  wail. Ihilppines  tinta	Byz of petters/	where to visit what poweryle to we in differ the reason / Depths  follow hints on ea. board to lead to slaw flent pricing/seffing boat upgrodes size of boat affects (a packy and/or # hands  Charleter personal life divers friends Luan to other evends music saft family boss/pathness deall to ffeer sunse is I beache bo	Helping  Hinding  With list  Solve  Myskry  Hochdown  of whale  globally  combine  for convict  donale  food \$  to a cause
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# Prototype

- Debuted Nov 2010 at PopCamp
  - Company-wide game Jam
  - Held a couple times per year
  - Moderated by "Camp Counselors"
  - Opportunity to develop new game prototypes
  - "Graduating" from PopCamp means a chance for full production

# PEARL DIVER

A SOLITAIRE BLITZ GAME

START!

YOU HAVE 60 SECONDS TO CLEAR ALL THE CARDS.

EACH CARD MUST BE ONE RANK HIGHER OR LOWER THAN THE ONE BEFORE.

DRAW FROM THE DECK IF YOU GET STUCK.

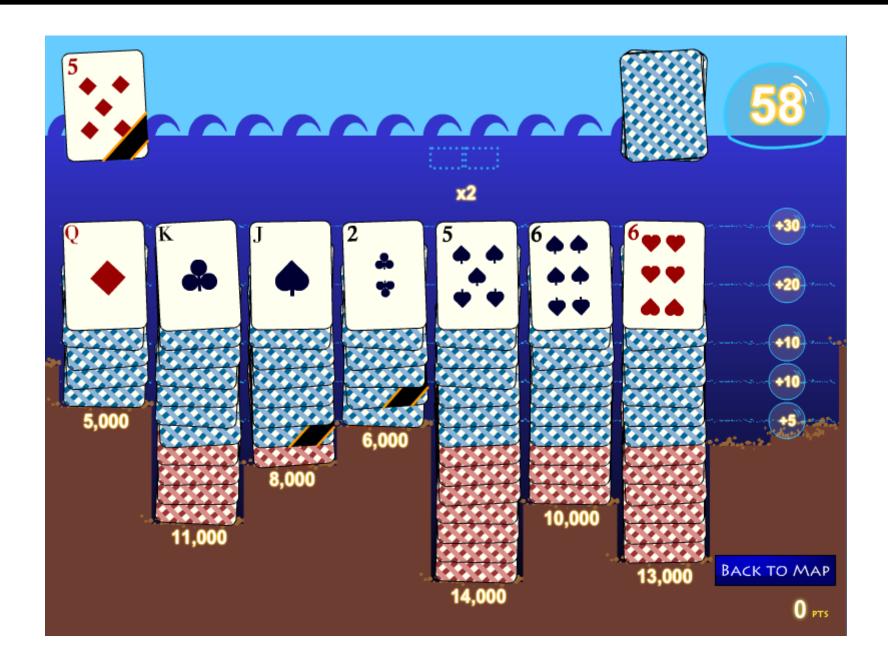
LONG UNBROKEN RUNS WILL SCORE THE MOST POINTS.

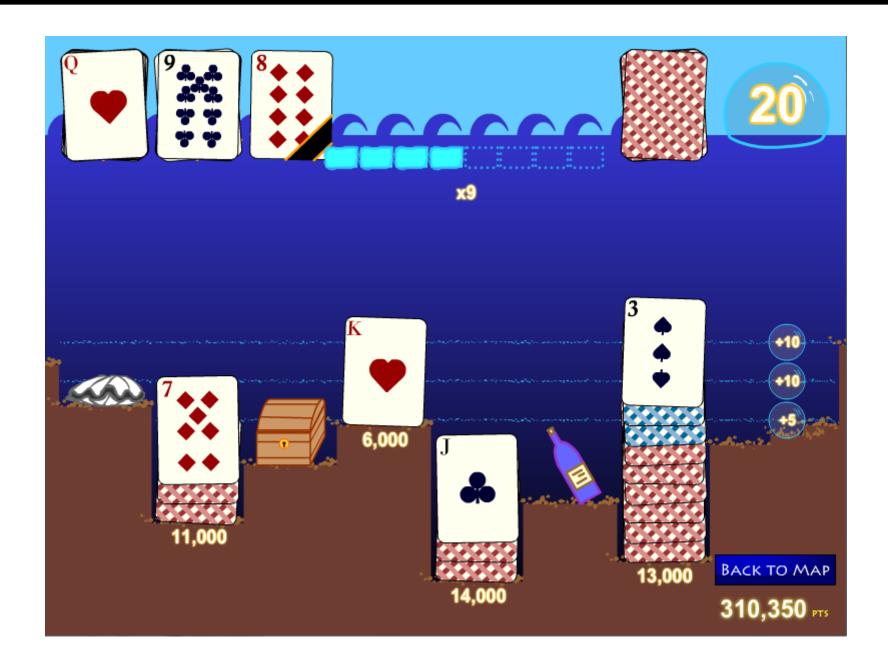


PICK UP YOUR TREASURE AT THE END!







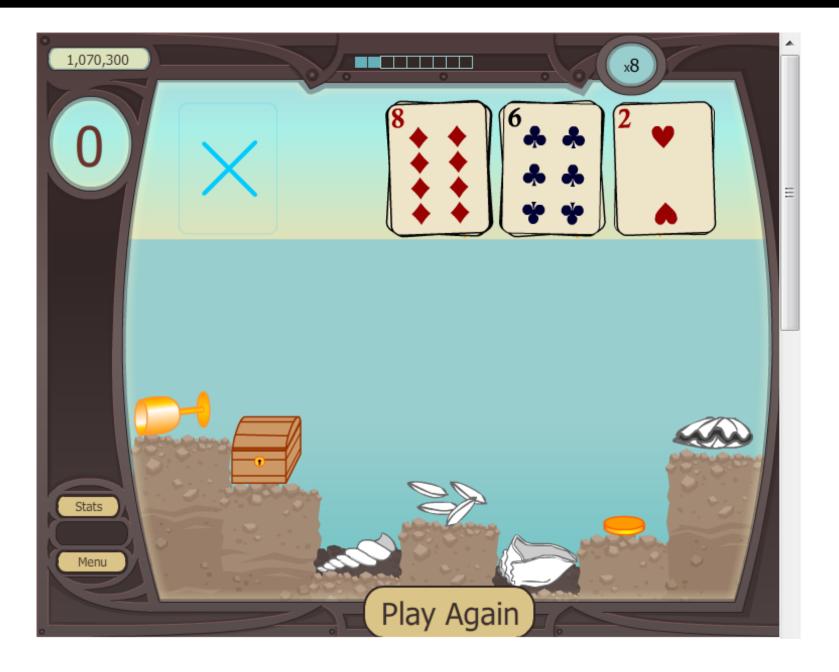


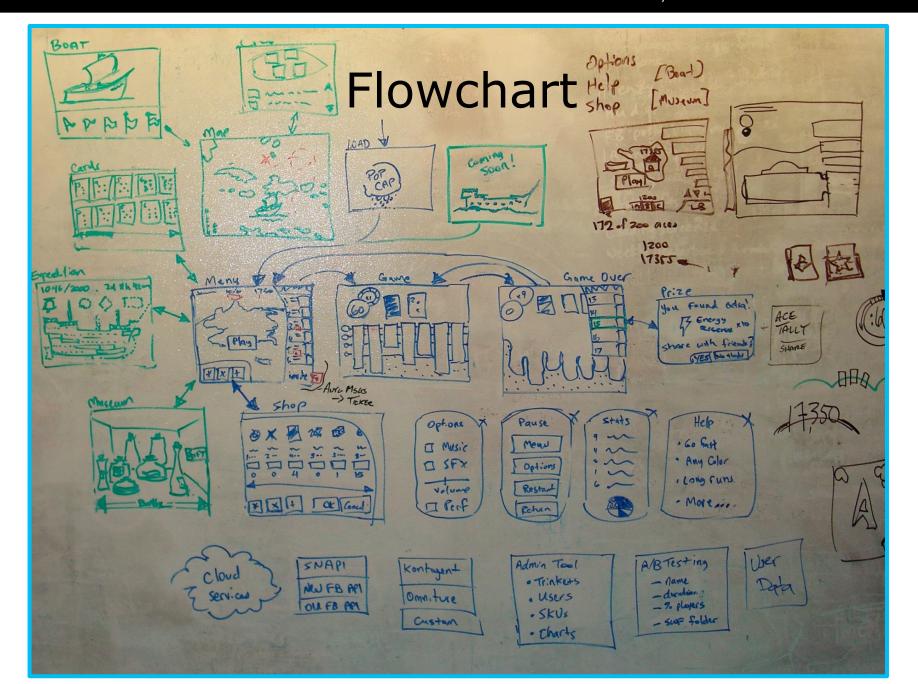
# Greenlight

- Counselors liked it
- "This is actually pretty good"
- Additional time granted to explore further
- Pre-production kicked off Feb 2011









#### Instrumented Build

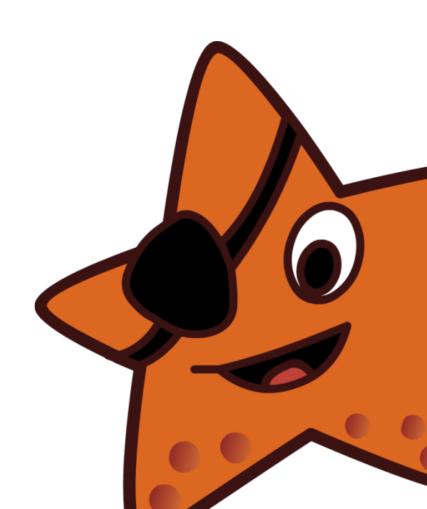
- They kept playing it!
- Same URL as prototype
- Thousands of mystery records in the DB
- Bug or... a good sign?

#### **Full Production**

- → This is going to be HUGE!!!
- Increase team size and work on:
  - Designing subsystems
  - Solving tech challenges
  - Refining the art style

### **SYSTEMS**

- Monetization
- Retention
- Virality



#### **Boosts**





























#### **Boosts**



Extra Time



Extra Cards



Depth Charges



Mine



Staargh Fish



Run Finder



Bonus Fish



Key Magnet



Spyglass



Starting Joker



Extra Jokers



Spare Joker



Tempest in a Teacaup



Treasure Map

### **Decks**



banana



barbecue



boatadventure



caradventure



cherries



crescentmoon



crocodile



dolphin



egyptianpyramid s



friendshipday



gerberadaisies



GinghamBlue



giraffeprint



honeycomb



hook



hut



icecreamcone



manta\_ray



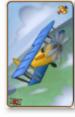
pagoda



papaya



Pizza



planeadventure



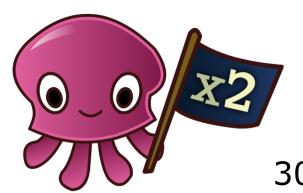
smores

#### Decks

Long runs earn fish



0 to 8 fish per game



10 decks per month



Random deck @ level up

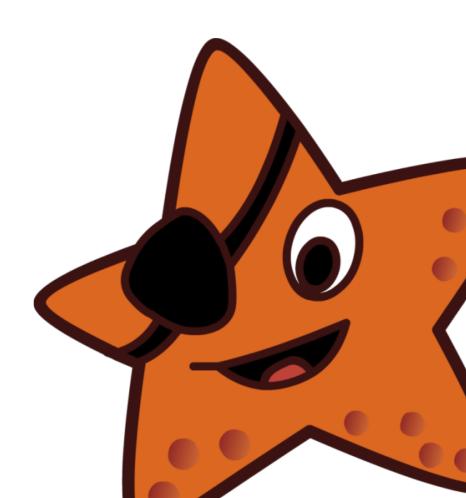
300 – 500 fish to level up

#### Shares

- High Score
- Level Up
- Win Streak
- Passed a Friend
- Found Rare Treasure



### **ECONOMY**



#### Silver

#### Sources:

- Finding better treasure
- Getting better score
- Asking friends
- Sink: Boosts costs 1000 to 5000 silver

Qty	Rarity	Odds	Average	Payout
37	Rare	2-5%	3,730 silver	2,000 - 10,000 silver
44	Uncommon	3-10%	243 silver	150 - 500 silver
38	Common	85-95%	16 silver	5 - 40 silver

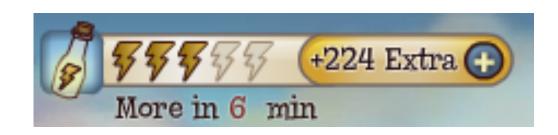


# Silver Comparison

- What do you get for \$5
- How many minutes of play?

Title	<b>\$5</b>	Boosted Games	Average Minutes
Bejeweled Blitz	270,000 coins	54 games	54 min
Zuma Blitz	275,000 mojo	68 games	120 min
Diamond Dash	43 gold	30 hearts	30 min
Empires & Allies	40 credits	40 energy	15 min
Solitaire Blitz	200,000 silver	24 games	36 min

### Energy



- Sources:
  - Start with 5
  - Regenerate 1 every 10 minutes
  - Bank any "Extra" energy gained by:
    - Purchase
    - Gift
    - Level up
    - Larry the Electric Eel
- Sink: Spend 1 every shuffle



# **Energy Comparison**

Game	Ву	Start Amount	Smallest SKU	Cost per Game	Regen Rate	Social Gift	Level Up
Sims Social	EA	17 (X per action)	\$1.29 for 10 energy units	0.30 USD	5 min	•	<b>/</b>
Bubble Witch Saga	King.com	5	\$0.90 USD to refill 5 lives	0.18 USD	30 min*	<b>✓</b>	
Tetris Battle	Tetris Online Inc.	42 (5 per game)	\$1.00 to refill 42 energy units	0.12 USD	5 min		V
Bubble Saga	King.com	5	\$0.90 USD to refill 5 lives	0.18 USD	30 min*		
Hoop de Loop Saga	King.com	5	\$1.00 to refill 5 lives	0.20 USD	30 min*	<b>✓</b>	
Zuma Blitz	PopCap	5	\$0.60 to refill 5 lives	0.12 USD	8 min		<b>V</b>
Diamond Dash	Wooga	5	\$1.05 USD to refill 5 lives	0.21 USD	8 min	<b>✓</b>	
Solitaire Blitz	PopCap	5	\$2.40 to add 10 energy to bank	0.24 USD	10 min	•	<b>V</b>

# Upsells

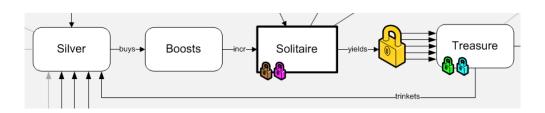
**GAME DEVELOPERS CONFERENCE ONLINE®** 

- Out of energy offer!
- Out of silver offer!
- Free gifts send!
- Free energy send!

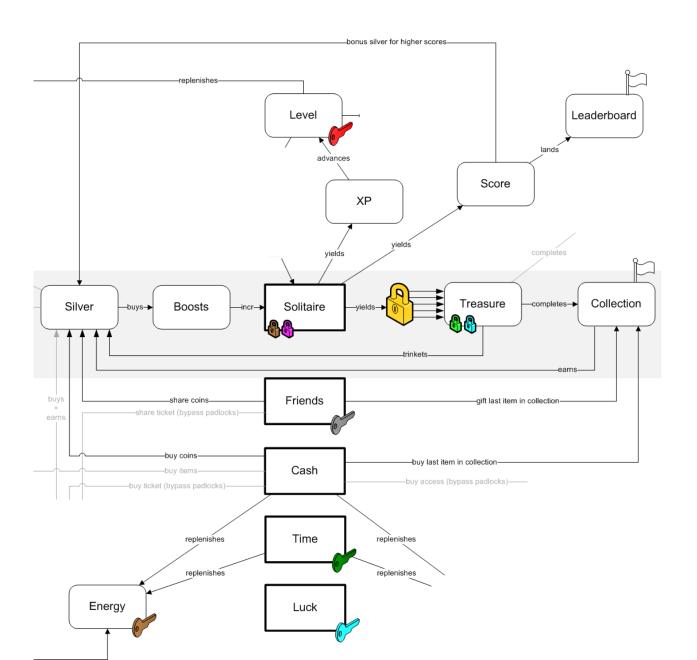


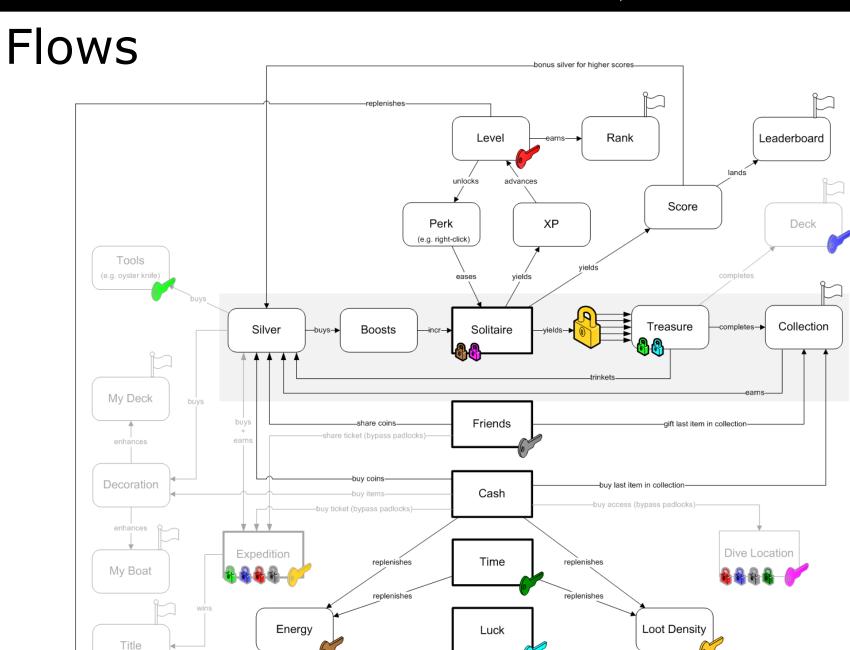


### **Flows**



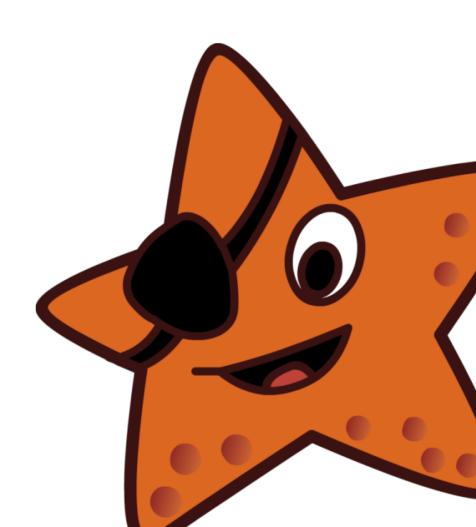
### Flows





#### **ART**

- Setting
- Characters
- Style
- · New UI





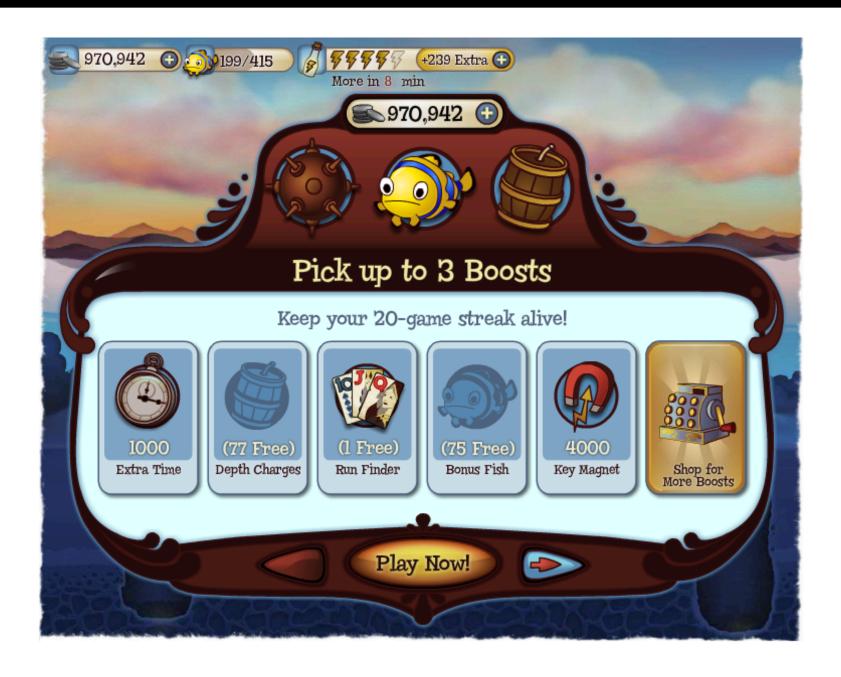


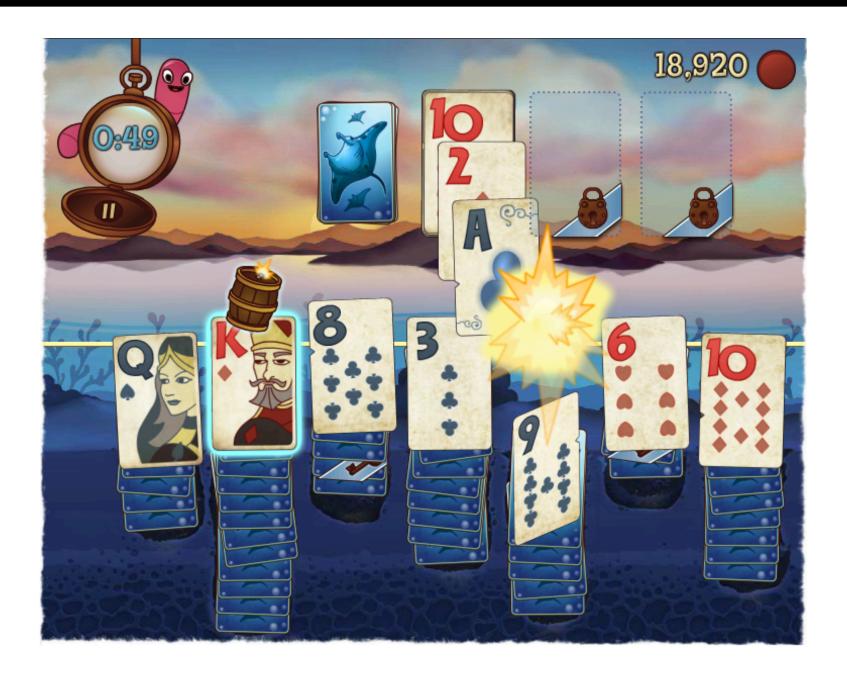


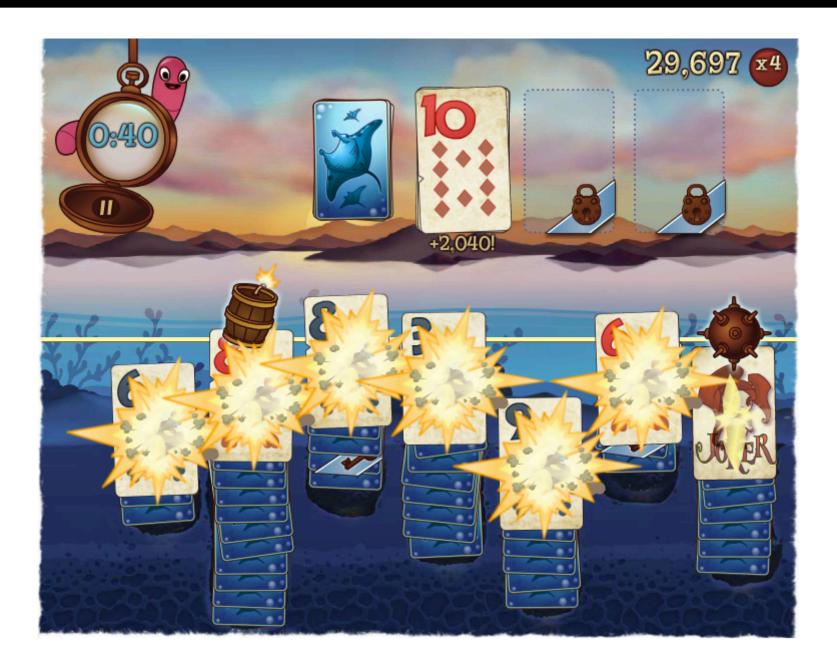






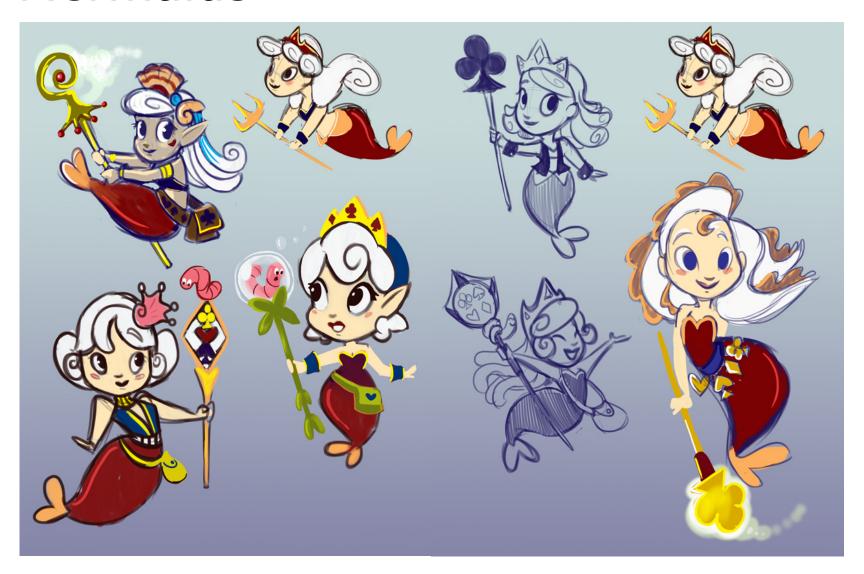








#### Mermaids



# Style Guide

- Organic
- Elegant
- Charming



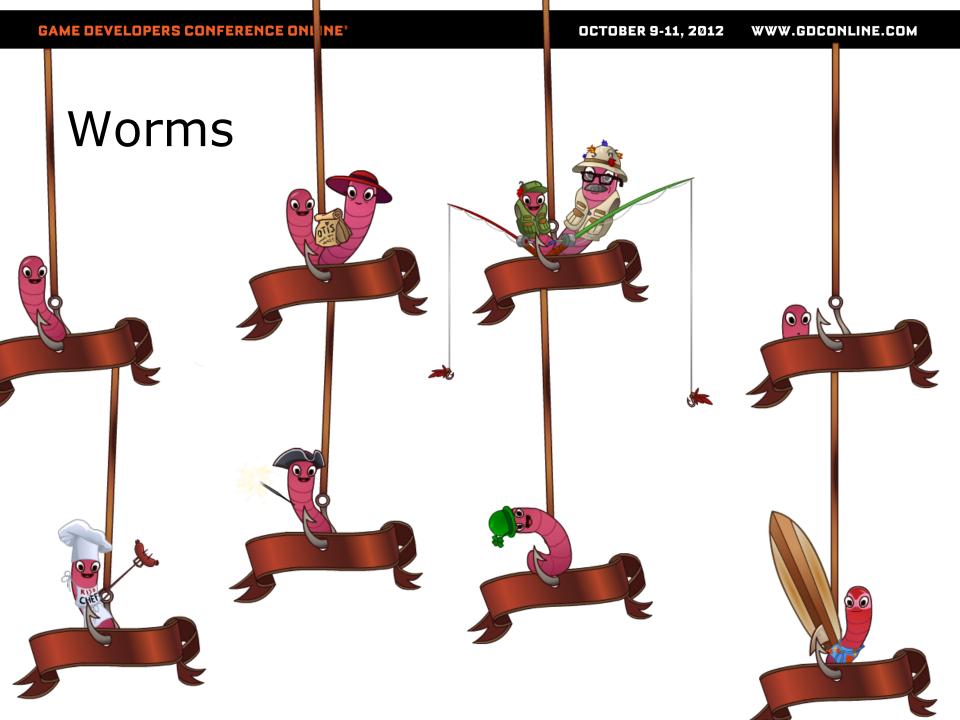


### Worms







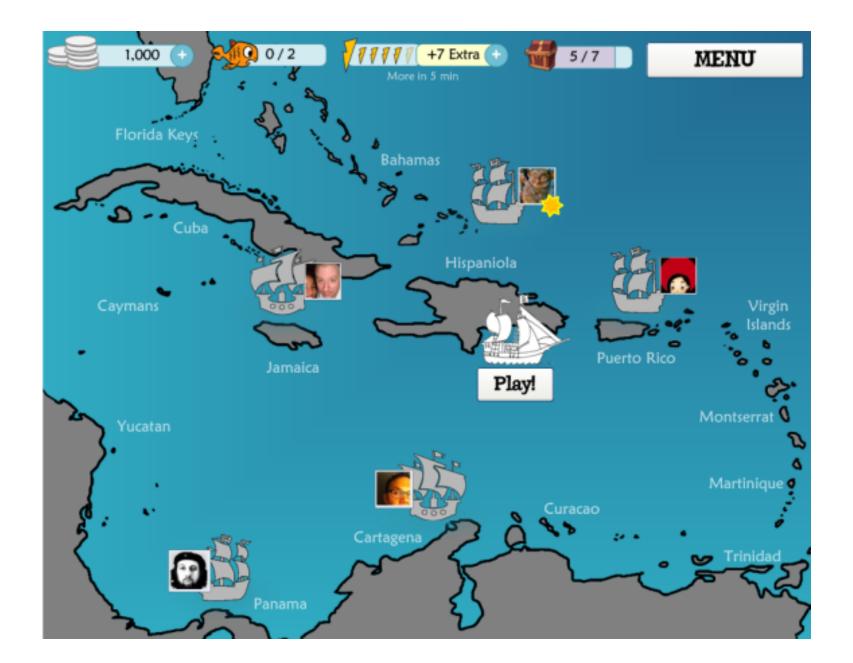


#### Treasures

- Shells
- Wrecks
- Treasure
- Natives
- Pirates
- Sea Life
- Vacation

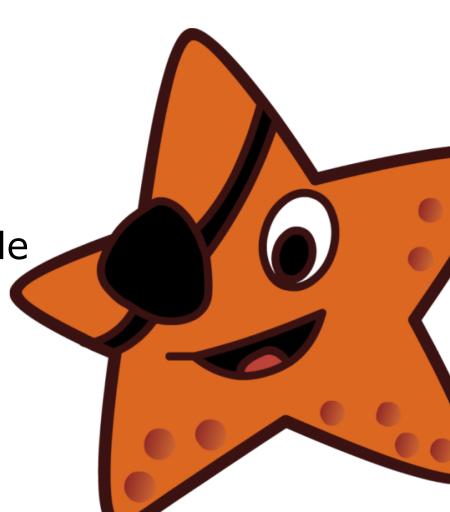


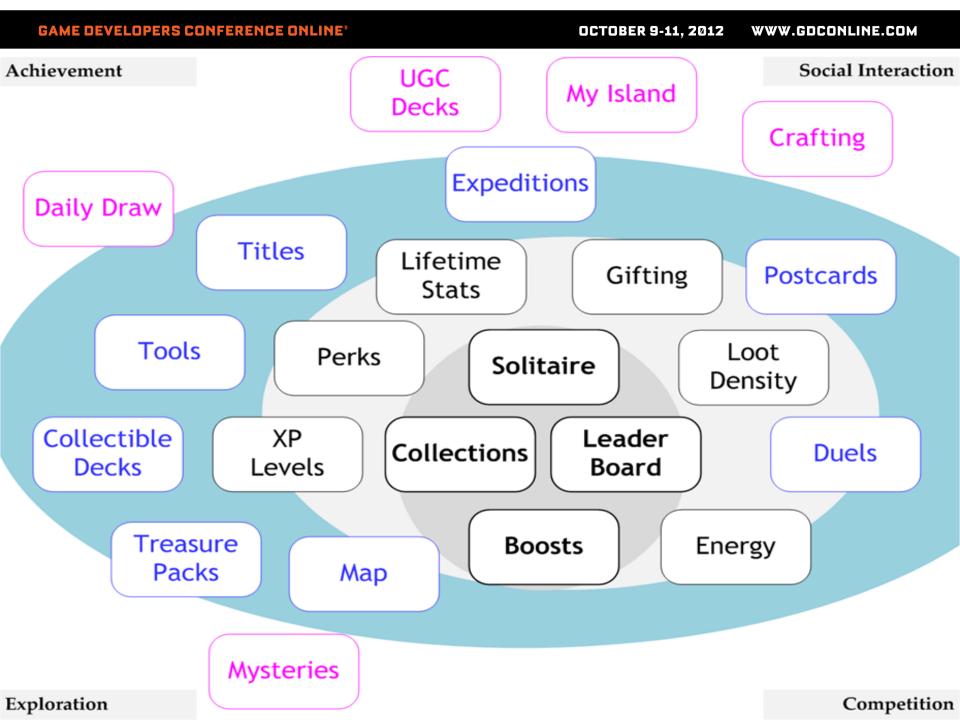




#### **GROWING VISION**

- Core game
- Collectibles
- Explore map
- Play with friends
- Customize and upgrade
- · So much more!





# The Reality

- We wanted to ship!
- But, it's cool because we've got:
  - A super strong core gameplay loop
  - More viral features that our sister apps
  - Great cross-promos lined up for launch
  - Plenty of time to add cool new features once we're all millionaires

#### Enter the MVP

- MVP = Minimum Viable Product
- Intended for rapid market testing
- Has required feature set for success
- Additional features added via iteration

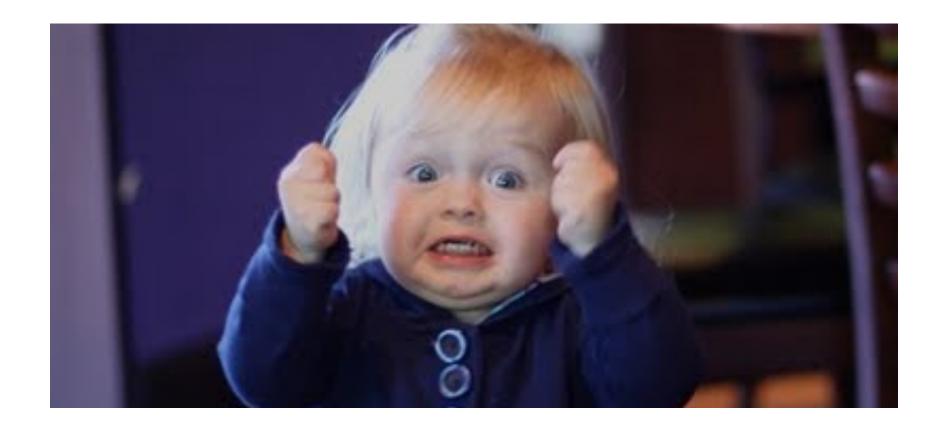
#### The Solitaire Blitz MVP

- Core Solitaire Gameplay
- Leaderboard
- Boosts
- Energy
- Facebook Feed Shares
- Decks for personalization
- Basic Level-Up System
- Message/Gift Centers

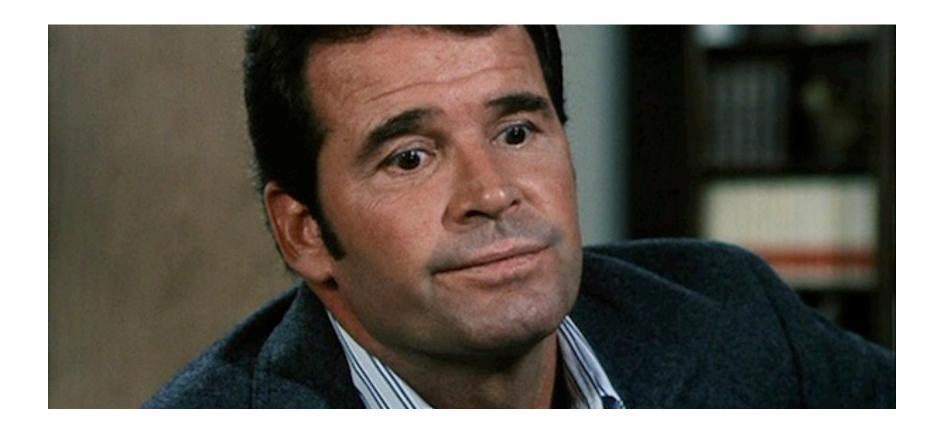
#### All Boxes: Checked

	Retention	Monetization	Virality
Core Gameplay	X		
Leaderboard	X		
Weekly Tournament	X		
Earn Decks	X		
Buy Silver		X	
Buy Energy		X	
Buy Decks		X	
Buy Boosts		X	
Send Free Gifts			X
FB: Feed Shares	X		X
FB: Achievements	X		X
FB: Scoring API	X		X

# What were the expectations?



#### And how did it all turn out?



## In the end, it went pretty well

- Sadly, "pretty well" wasn't the goal
- Our release didn't change the world, but:
  - Our game is alive and well
  - We have a dedicated team
  - We have a supportive company
  - We've learned a TON about the modern world
- And now, on with the reality!

# Things that worked

- Polished, addictive core gameplay
- Flexible content systems

Tools, not features, for business owners



# Polished, addictive core gameplay

So...you know...just build an amazing game.

## Polished, addictive core gameplay

- Watch Do people keep playing it?
- Listen Do people talk about it?
- Feel Do you find yourself wanting to play?

# Flexible content systems

Freshness guaranteed.

## Flexible content systems - Boosts!





























## Flexible content systems - Decks!







#### Tools > Features

# Because those business guys have MBAs and you don't.

#### Tools > Features

- "Teach a man to fish."
- More tools = Less randomization
- If you don't build a flexible system now, you won't fix it later

# Marketing Tools

- Pop-up promo dialog on session start
- Incentivized cross promo
- Banner ad rotation system
- Sales, like "Happy Hour" discounts
- Gift URLs



# Things that didn't work

- The "V" in "MVP"
- Chasing KPIs

Forecasting via wishful thinking

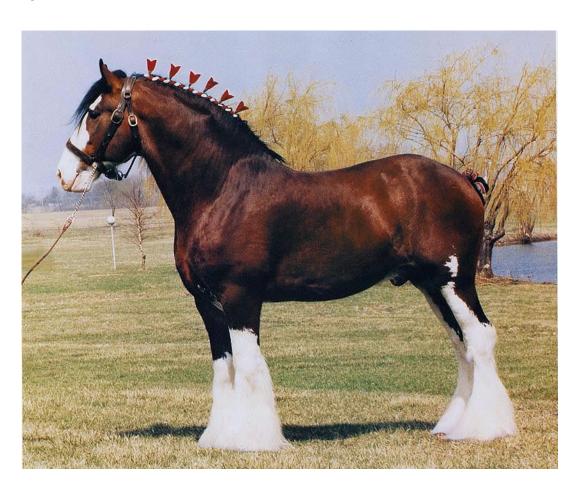


If you think all of your boxes are checked, you're probably wrong.

	Retention	Monetization	Virality
Core Gameplay	X		
Leaderboard	X		
Weekly Tournament	X		
Earn Decks	X		
Buy Silver		X	
Buy Energy		X	
Buy Decks		X	
Buy Boosts		X	
Send Free Gifts			X
FB: Feed Shares	X		X
FB: Achievements	X		X
FB: Scoring API	X		X

Checkmarks do not equate to success





- Sure, we had our boxes checked, but not in a materially relevant way
- The platform and marketplace is always evolving, and it evolved out from under us
- Those checked boxes would have served us well...two years ago

If only...a multi-friend selector



If only...new monetizer offers



- DO pay attention to emerging trends
  - Reach out to experts for data
  - Review teardowns of competitors
- DON'T get left behind
- DON'T blow your biggest opportunity

Being reactionary is a great way to never accomplish anything useful.

OH, NO! DAU PROBLEMS!



OH, NO! VIRALITY PROBLEMS!



Mar 12, 2012 Mar 26, 2012 Apr 9, 2012 Apr 23, 2012 May 7, 2012 May 21, 2012

OH, NO! REVENUE PROBLEMS!

[Image omitted due to my desire to remain employed]

So, what did we do?

We chased KPIs!



Progressive Invite Incentives...with no MFS



Ad Network Integration...for marginal revenue gains

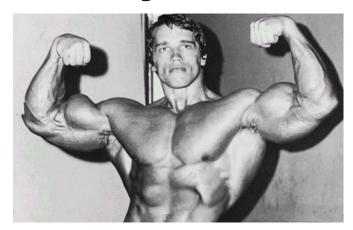
[Image omitted to protect the innocent]

- DO stay focused on the real finish line
- DO build tools, not features
- DON'T chase quick fixes
  - It's easy
  - It's also stupid

Setting goals that are aspirational instead of realistic is dumb.

Projected DAU Growth

**Projected** 



**Actual** 



Projected Revenue Growth

#### **Projected**



#### **Actual**

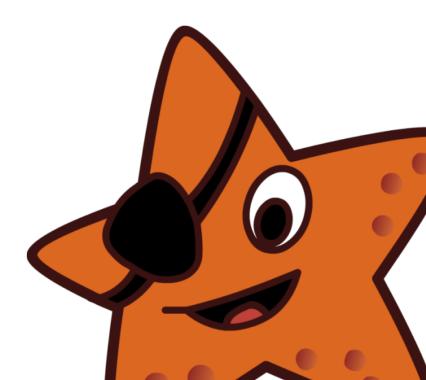
**OCTOBER 9-11, 2012** 



- DO model feature impact
- DO forecast based on production schedule
- DON'T be overly aspirational

# So, is it all doom and gloom?

- · No!
- It's easy to set yourself up for success
- Don't get discouraged



# Our advice to you?

- DO focus on core gameplay and polish
- DO build flexible content systems
- DO give your business owners tools
- DON'T overlook what it takes to be viable
- DON'T be overly reactionary to KPI issues
- DON'T forecast blindly

# Questions?

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