Technovation CANADA

iridescent

Unit 9 – Troubleshooting

Review

- Weekly Check in
- Share with the group
  - Highlights of working as a team
  - Progress on your business

Troubleshooting

- Tips for debugging your code
- Debugging: the process that coders use to figure out why their code isn’t working

“It's hard enough to find an error in your code when you're looking for it;

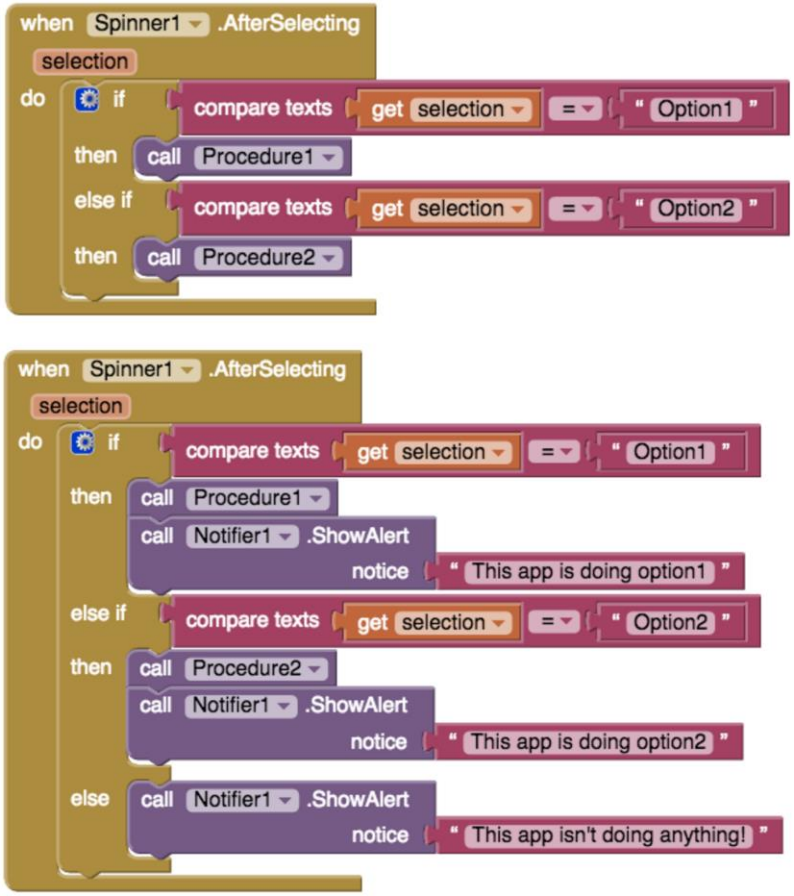
it's even harder when you've assumed your code is error-free. ”

Using Test Data

- Start with simple data to make sure your app works
- Add more data as you get pieces working
- Example: App shows the user where the closest restaurant is to them.
  - Fusion table stores the names of restaurants, the location data, style of food and phone numbers.
  - Get started with just two restaurants and location data
  - Get that working then add restaurants and more information about them

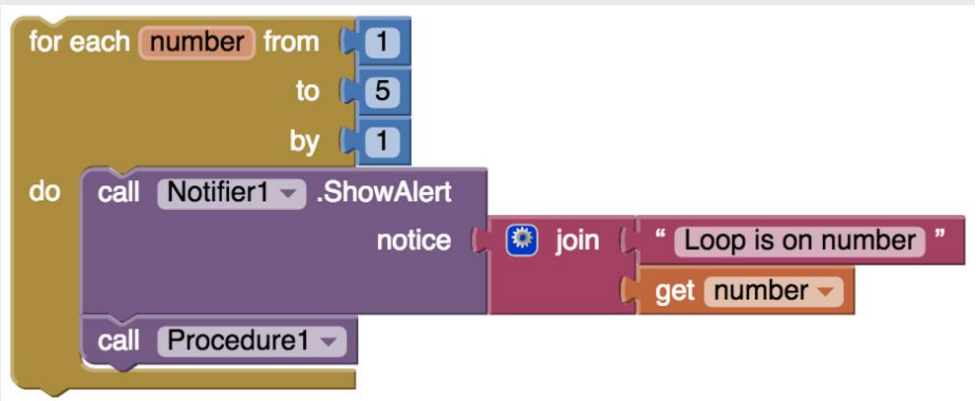
Debug with alerts

- Not sure where your app is stuck?
- Drag in the notifier and use it to set alerts to tell you what code is getting executed

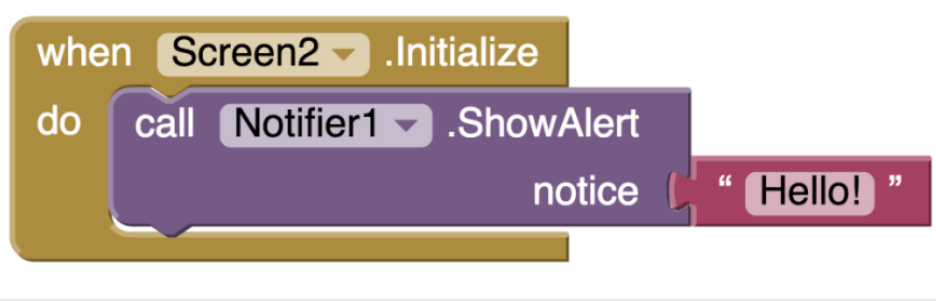


Debug with alerts

- Debugging a loop

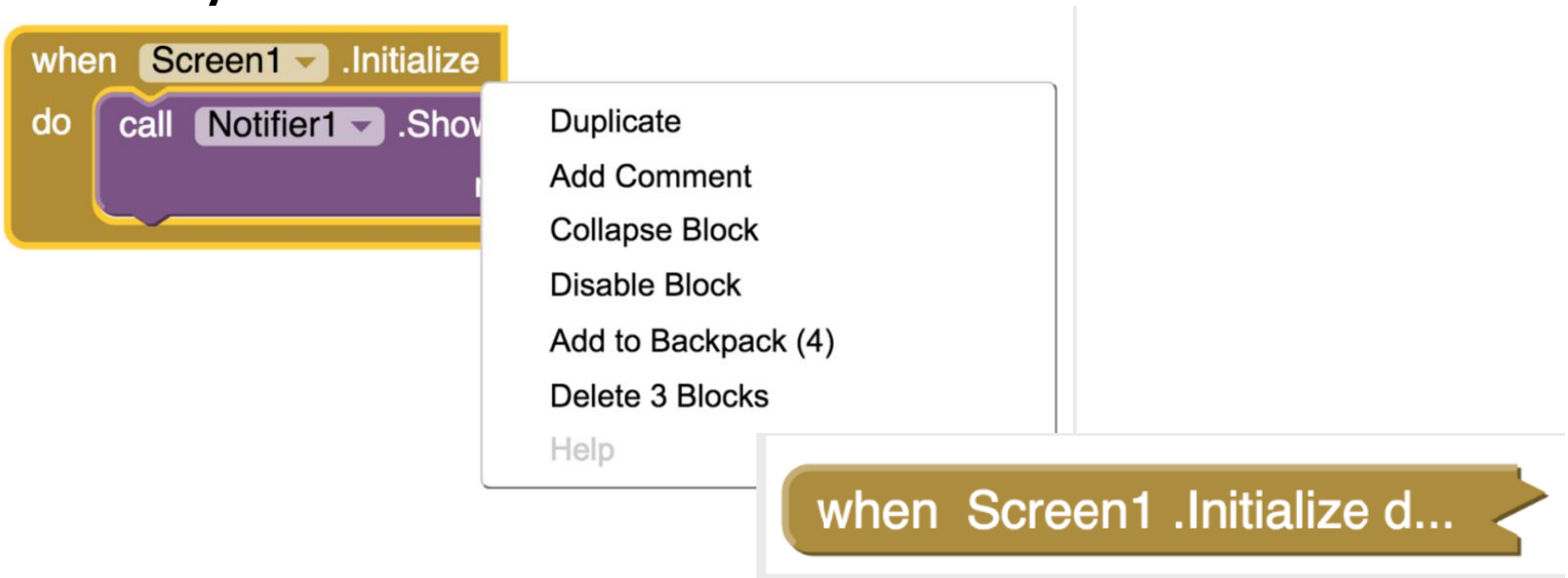


- Testing which screens are getting called



Collapsing blocks

- Having trouble focusing on the blocks that aren't working? Collapse the ones that don't need your attention.



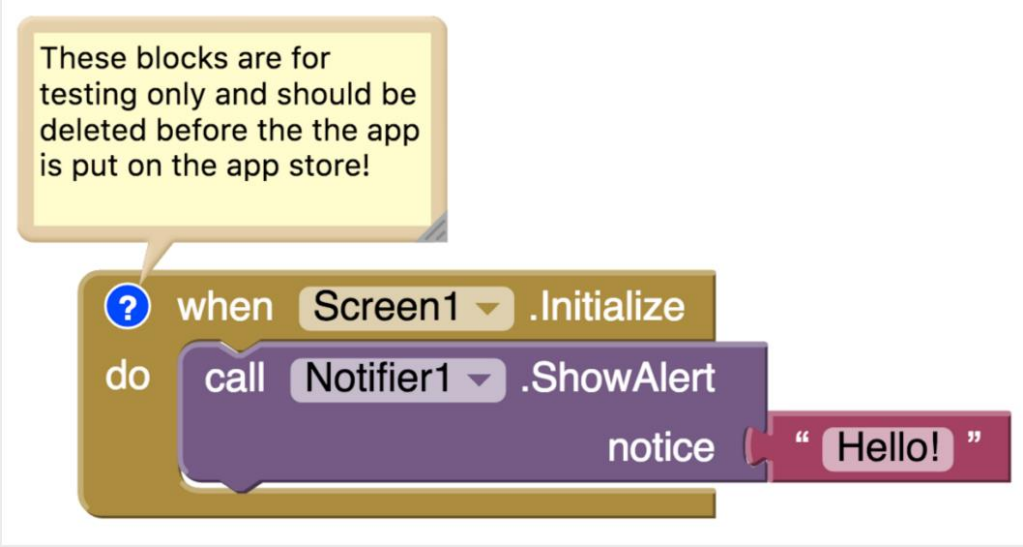
Disabling Blocks

- Have a block that isn't finished? Disable it while you test the rest.

- Right click to Enable or Expand the blocks again

Using Comments

- Comments help to understand the code – useful for judges, mentors, team-mates looking at your code



Version Control

- Save versions of your project
- When you get a section working save that version
  - You can go back to it if you mess up the next section!
- The “save project as” option allows you to create a copy of the code you are working and save it under a new name

April 25 deliverables

- 2 Screenshots of your app prototype
- Source code for your team's app (**at least** 3 functional screens)
- Pitch Video on YouTube under 4 minutes
- Demo Video on YouTube under 2 minutes
- 100-word app description - typed and in PDF format
- Technical checklist with a sentence description of each item +

  Photo of pseudocode and workflow
- **Senior Team Only** Business plan – typed and in PDF format
- Team photo

How to Submit

- Use My Team's Submission page
- In the submission forms for multi-line text, just write a few sentences!
  - App Description should be short and readable
- Tech. Checklist Explanations just need a sentence “we used tinywebdb to store users”
- use "how the judges see it“ to make sure it is readable

Submission Dates

- Start your submissions early
  - Do NOT leave everything to April 25th
- Join the Ottawa pitch event
- Deadline for submission April 25th 8PM

- Slides for the live pitch must be emailed to me by May 10th

Ottawa Competition May 12

- Prizes – Amazon gift cards
  - Senior team $3000 1st , $1000 2nd, $50 3rd
  - Junior team $1000 1st , $500 2nd, $250 3rd
- Preliminary round 12:30-3PM
  - Rooms will hold teachers, mentors, family, friends
  - 4 minute live pitch, 2 minute demo video, Q&A
- 3:00 PM Keynote speaker
- 3:30-4:30 Finalists pitch
- 4:30 Awards ceremony

Next Steps

- Finish your app
- Continue working on your pitch scripts