

## Week 6 Overview





[Help](#)

# An App to Share My Views

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## Video Lectures

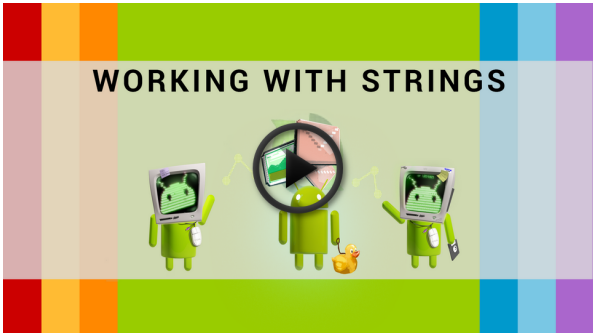



Video Lecture	Key Topics	Transcript	Video Download	SRT Captio File
<b>6.1. Introducing EditText</b>				
 <p>(00:06:40)</p>	<ul style="list-style-type: none"> <li>• Introducing vertical Linear Layout</li> <li>• Designing a simple survey/feedback form</li> <li>• Introducing text fields inputTypes</li> <li>• How Android uses inputTypes</li> <li>• Using EditText hints</li> </ul>		 (13.7 MB)	

### Next Steps for 6.1

Download and extract [Survey-v1.zip](#) then,

1. Use the File menu to import "Existing Android Code Into Workspace" and select the directory where you
2. Using Emulator API-10? Remember you can change the min SDK level in the Android manifest.
3. Install and play with the survey! Try creating some other inputTypes.
4. Create your own project that will allow the user to enter text.
5. Use a linear layout and add different kinds of EditText to your layout.

Video Lecture	Key Topics	Transcript	Video Download	SRT Captio File
6. (Optional) See the reading references below to learn more about LinearLayout and EditText <ul style="list-style-type: none"> <li>◦ <a href="#">LinearLayout widget reference</a></li> <li>◦ <a href="#">Linear Layout Android guide</a></li> <li>◦ <a href="#">Text fields design notes</a></li> <li>◦ <a href="#">Text controls Android guide</a></li> </ul>				
<h2>6.2. A Little Toast for Your App</h2>				
 <p>(00:24:15)</p>	<ul style="list-style-type: none"> <li>• Invisible views</li> <li>• findViewById</li> <li>• Casting types</li> <li>• Debugging tips</li> </ul>		 <p>(50.0 MB)</p>	
<h3>Next Steps for 6.2</h3> <p>Download and extract <a href="#">Survey-v2.zip</a> then,</p> <ol style="list-style-type: none"> <li>1. Use the File menu to import "Existing Android Code Into Workspace" and select the directory where you</li> <li>2. Install and play with the survey. Play with the code, creating your own Toasts!</li> <li>3. Add Toast messages to your own app.</li> <li>4. Practice using the Debugger and setting breakpoints.</li> <li>5. (Optional) Recommended Readings:             <ul style="list-style-type: none"> <li>◦ <a href="#">Toasts</a></li> <li>◦ <a href="#">Toast</a></li> <li>◦ <a href="#">View</a></li> <li>◦ <a href="#">Input Events</a></li> </ul> </li> </ol>				
<h2>6.3. Working with Strings</h2>				





Video Lecture	Key Topics	Transcript	Video Download	SRT Captio File
 <p>(00:18:01)</p>	<ul style="list-style-type: none"> <li>• String vs integer variables</li> <li>• Assignment vs. comparing variables</li> <li>• String methods: indexOf, equals, substring, contains</li> <li>• Requesting focus</li> <li>• Returning early</li> <li>• Comparing strings using .equals</li> <li>• Converting integers to and from Strings</li> </ul>		 (33.9 MB)	

### Next Steps for 6.3

Download and extract [Survey-v3.zip](#) then,

1. Use the File menu to import "Existing Android Code Into Workspace" and select the directory where you
2. Learn about using Strings by playing with Lawrence's Survey. Then add some String checking to your ov
3. Play with and use String methods indexOf, substring and equals and View's requestFocus() and return s
4. (Optional) Recommended Readings:
  - [String](#)
  - Also see the recommended readings from video 6.2

## 6.4. Catching the Unexpected

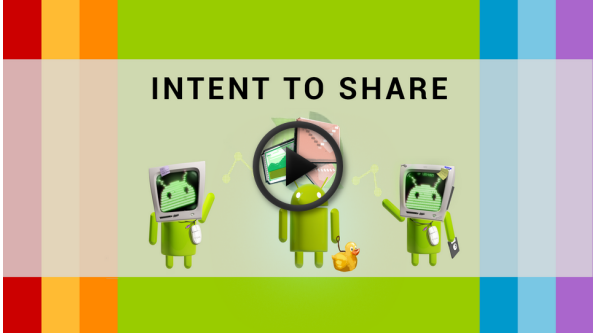



Video Lecture	Key Topics	Transcript	Video Download	SRT Captio File
 <p><b>CATCHING THE UNEXPECTED</b></p> <p>(00:07:30)</p>	<ul style="list-style-type: none"> <li>• Expecting the unexpected</li> <li>• Using try-catch to catch exceptions</li> <li>• Introducing boolean variables</li> <li>• An easy two-line animation</li> </ul>		 (15.4 MB)	

### Next Steps for 6.4

Download and extract [Survey-v4.zip](#) then,

1. Use the File menu to import "Existing Android Code Into Workspace" and select the directory where you
2. Learn and play with converting Strings to integers. Test the app when the String is a valid integer and inv
3. Animate a button or other view inside your own app when a button is clicked.
4. (Optional) Use try-catch (see example code in Survey-v4.zip) to make your app robust even when the fo values.
5. (Optional) Recommended Readings:
  - [Integer.parseInt\(\) reference](#)
  - [AnimationUtils reference](#)

## 6.5. Intent to Share

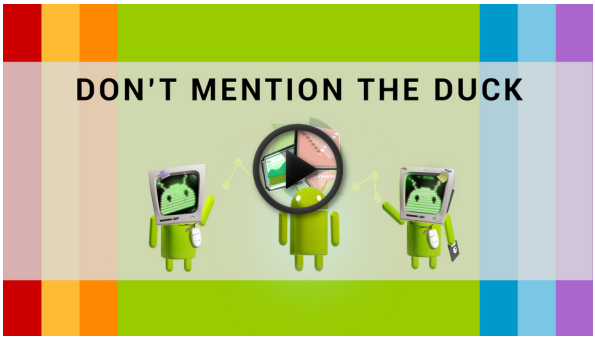



 <p><b>INTENT TO SHARE</b></p> <p>(00:26:16)</p>	<ul style="list-style-type: none"> <li>• An Implicit intent to share</li> <li>• Sharing text as SMS (Text) and Email messages</li> <li>• Tips for using startActivity</li> </ul>		 (48.2 MB)	
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### Next Steps for 6.5

Download and extract [Survey-v5.zip](#) then,

Video Lecture	Key Topics	Transcript	Video Download	SRT Captio File
<ol style="list-style-type: none"> <li>1. Use the File menu to import "Existing Android Code Into Workspace" and select the directory where you</li> <li>2. Play with and learn about adding Intents to your own app. Use my source code example from the Survey find other examples on StackOverflow - see link below.</li> <li>3. (Optional) Recommended Readings: <ul style="list-style-type: none"> <li>◦ <a href="#">Intent</a></li> <li>◦ <a href="#">Intents and Intent Filters</a></li> <li>◦ A good developer resource is <a href="http://stackoverflow.com">stackoverflow.com</a> (include "Android" or "Java" in your search)</li> </ul> </li> </ol>				

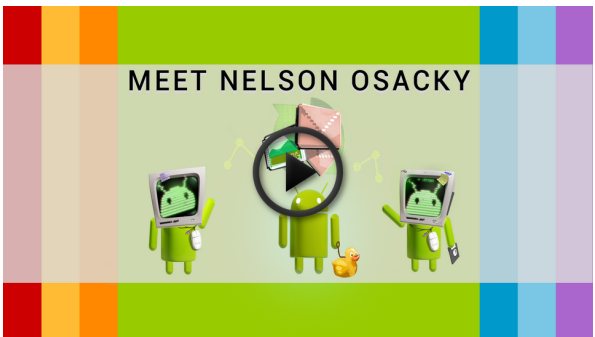



## 6.6. Don't Mention the Duck

 <p>(00:27:30)</p>	<ul style="list-style-type: none"> <li>• ScrollView and LinearLayouts</li> <li>• Gravity and weight</li> <li>• Visibility</li> <li>• TextWatcher interface</li> <li>• null pointers</li> </ul>		 (50.2 MB)	
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### Next Steps for 6.6

Download and extract [Survey-v6.zip](#) then,

1. Use the File menu to import "Existing Android Code Into Workspace" and select the directory where you
2. Create your own ScrollView and LinearLayout and experiment with fillViewport, layout\_gravity, and layout
3. Review the [LinearLayout guide](#), then experiment with setting layout\_weights to 1 and your layout\_height
4. Practice using getString(...) to pull a string entry from the strings.xml file.
5. Play with and learn about refactor/rename and also extracting string constants menu items.
6. Review and try to modify or update the TextWatcher example code.
7. Advanced challenge: Can you update the TextWatcher code to only display the duck when all fields are
8. (Optional) Recommended Readings:
  - [LinearLayout](#)
  - [ScrollView](#)
  - [HorizontalScrollView](#)
  - [TextWatcher](#)
  - [Linear Layout](#)

Video Lecture	Key Topics	Transcript	Video Download	SRT Captio File
<b>Interview with Nelson</b>				
 (00:05:07)	Round off your week with University of Illinois student Nelson, as he shares his own Android app development experience.		 (16.3 MB)	

## Assignments

Once you have finished watching the videos for this week, complete the quiz on the information you learned.

To begin, access the quiz page below and click the **Start Quiz Now** button at the bottom of that page. You have 5 attempts to complete this quiz.

[Go to Week 6 Quiz](#)

This quiz is due by Sunday, February 2 at 11:55 PM Central Time ([time zone conversion](#)).

This week you will complete the evaluation phase of Assignment 2. To find out more about this process, access the Assignment 2 Evaluation page below.

[Go to Assignment 2 Evaluation](#)

This assignment is due by Sunday, February 2 at 11:55 PM Central Time ([time zone conversion](#)).

## Time

This module will last **7 days** and should take **approximately 4-8 hours** of dedicated time to complete, including the videos and assignments.

## Tips for Success

To do well this week, I recommend that you do the following:

- Review the video lectures a number of times to gain a solid understanding of the key questions and concepts introduced this week.
- When possible, provide tips and suggestions to your peers in this class. As a learning community, we can help each other learn and grow. One way of doing this is by helping to address the questions that your peers pose. By engaging with each other, we'll all learn better.
- It's always a good idea to refer to the video lectures in your responses. When appropriate, critique the information presented.
- Take notes while you watch the lectures for this week. By taking notes, you are interacting with the material and will find that it is easier to remember and to understand. With your notes, you'll also find that it's easier to complete your assignments. So, go ahead, do yourself a favor; take some notes!

## Getting and Giving Help

We strongly encourage you to join the culture of the application development community. This means not struggling with problems in isolation! Rather, when you encounter a problem, please try the following:

- Turn to your favorite search engine and search the Internet for help. Often, you will be most successful in finding the help you need by searching for the exact text of an error message you might be encountering. Sometimes, adding the term **RESOLVED** to your search query will help you hone-in on Discussion forum posts where someone else has received advice that ultimately resolved the problem they were encountering.
- Form groups of friends, both here in this class and perhaps locally in your geographic area. You can explore the [Getting to Know Your Classmates](#) forum, reach out via the course's [social media](#) venues, or [join a Meetup](#).
- Use the [forums dedicated to each week's topics](#) for help solving technical problems on your computer or Android device. Please use the forum that most closely matches your problem. Explore the forum to see if others have encountered the same problem and received helpful advice that may be useful in your situation. If your problems persist, please do post in the forums to ask for help.

If you encounter a problem with the course itself, you have options! You can get help via any of the following means:

- You can report a specific problem by clicking on the **Help** link at the top right of any course page.
- Use the [Course Materials Errors](#) forum for problems with course materials such as typos, factual errors, or grading errors.
- Use the [Technical Issues](#) forum for problems related to the Coursera platform such as broken links, error messages, and other technical issues.

Due to the very large number of students enrolled in this course, the instructor is not able to answer emails sent directly to his account. Rather, all questions should be posted to one of the above forums. You are encouraged to help your fellow students by responding to posts made in these forums with solutions and by "voting up" the most important posts. University of Illinois staff will monitor these forums and will focus their attention on those that have been voted up the most.

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