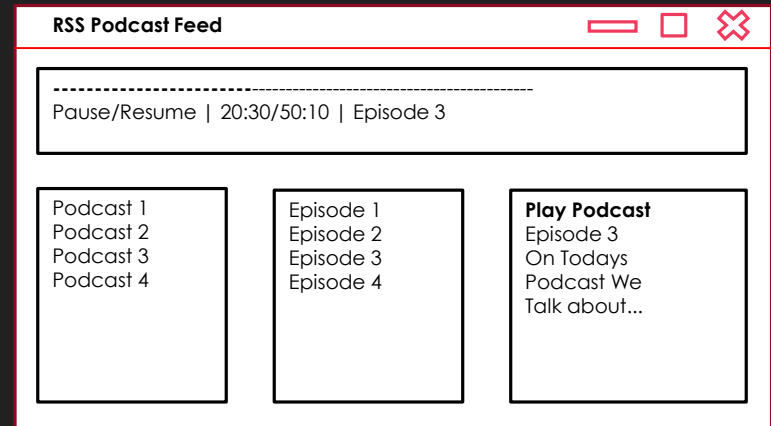# Podcast Feed

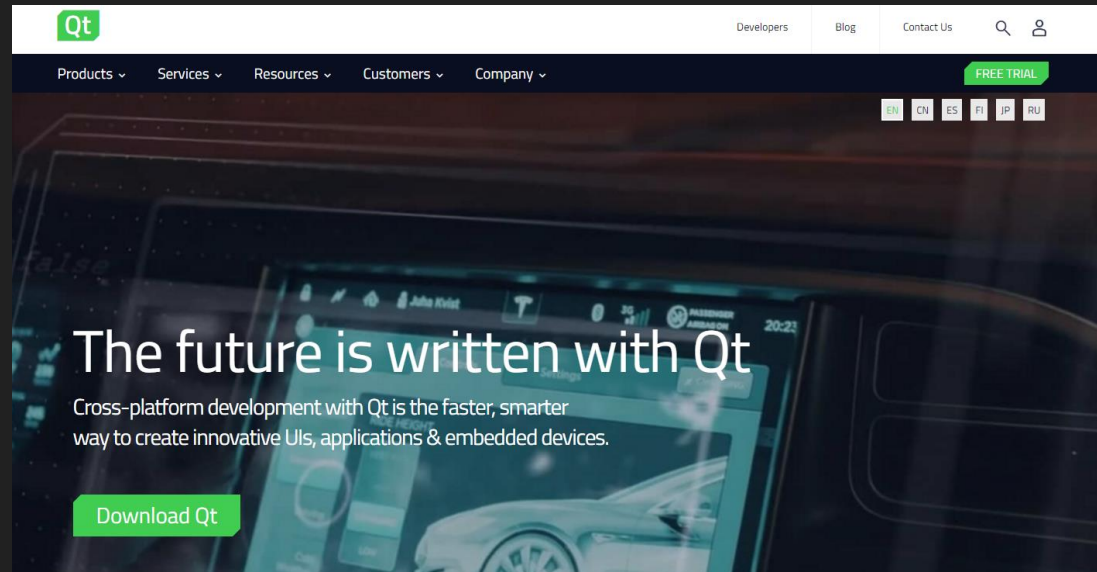Vamsidhar Allampati, Jonathan Holmes, Uzair Shamim

Our Project

- Program that allows a user to keep up with their favorite podcasts via streaming

- Program remembers what podcasts a user adds and what they have already listened to

RSS Podcast Feed

Pause/Resume | 20:30/50:10 | Episode 3

| Podcast 1
Podcast 2
Podcast 3
Podcast 4 | Episode 1
Episode 2
Episode 3
Episode 4 | **Play Podcast**
Episode 3
On Todays Podcast We Talk about... |

Qt

- Used Qt to develop GUI components

- Qt also provides networking, XML and JSON parsing capabilities

Github

PullReq for Issue: Populate the descriptionPane based on context #3 #19

Edit

Merged ForeEyes merged 4 commits into `ForeEyes:master` from `holmejmcm:PodcastFeed_DescripContext` 12 days ago

💬 Conversation 2   ⚙ Commits 4   📄 Files changed 1

+22 −5 ■■■■□

---

holmejmcm commented 12 days ago   Collaborator + 😊 ✏

Hey guys,

Here is the new pull request for the updated function Podcast_clicked.

---

holmejmcm added some commits 12 days ago

◇ 🏛 commit message		da45872
◇ 🏛 commit message		aa70164
◇ 🏛 commit message		57fdb30
🏛 Merge branch 'master' into PodcastFeed_DescripContext		da0af87

👁 **pureooze** requested review from **pureooze** and **ForeEyes** 12 days ago

---

pureooze commented 12 days ago   Collaborator + 😊 ✏ ✕

This PR resolves #3

✅ **pureooze** approved these changes 12 days ago • edited   View changes

Looks good to me, just wait for feedback from Vamsi

🖊 **ForeEyes** merged commit `ad0666c` into `ForeEyes:master` 12 days ago   Revert

---

Reviewers ⚙

🐙 pureooze ✔

🟦 ForeEyes 🔴

Assignees ⚙

No one—assign yourself

Labels ⚙

None yet

Projects ⚙

None yet

Milestone ⚙

No milestone

Notifications

🔇 Unsubscribe

You're receiving notifications because your review was requested.

3 participants

🏛 🐙 🟦

🔒 Lock conversation

TED Radio Hour

By NPR

To listen to an audio podcast, mouse over the title and click Play. Open iTunes to download and subscribe to podcasts.

Description

The TED Radio Hour is a journey through fascinating ideas: astonishing inventions, fresh approaches to old problems, new ways to think and create. Based on Talks given by riveting speakers on the world-renowned TED stage, each show is centered on a common theme – such as the source of happiness, crowd-sourcing innovation, power shifts, or inexplicable connections. The TED Radio Hour is hosted by Guy Raz, and is a co-production of NPR & TED. Follow the show @TEDRadioHour.

View in iTunes

Free

Category: Technology
Language: English
© Copyright: Copyright 2012 NPR – For Personal Use Only

	Name	Description	Released	Price	
1	Building Better Cities	Cities are among our g... *i*	3/30/2017	Free	View in iTunes ▸
2	Painfully Funny	Humans have a capaci... *i*	3/23/2017	Free	View in iTunes ▸
3	Open Source World	The era of open sourc... *i*	3/16/2017	Free	View in iTunes ▸
4	Decisions Decisions Decis...	Whether you're choosi... *i*	3/9/2017	Free	View in iTunes ▸
5	Spoken And Unspoken	We communicate with ... *i*	3/2/2017	Free	View in iTunes ▸
6	The Spirit Of Inquiry	The force behind scien... *i*	2/23/2017	Free	View in iTunes ▸

How It Works

```xml
<rss xmlns:npr="http://www.npr.org/rss/" xmlns:nprml="http://api.npr.org/nprml" xmlns:itunes="http://www.itunes.com/dtd
  <channel>
    <title>TED Radio Hour</title>
    <link>http://www.npr.org/programs/ted-radio-hour/</link>
    <description>
      <![CDATA[
        The TED Radio Hour is a journey through fascinating ideas: astonishing inventions, fresh approaches to old probl
        theme - such as the source of happiness, crowd-sourcing innovation, power shifts, or inexplicable connections. T
      ]]>
    </description>
    <copyright>
      Copyright: Copyright 2012 NPR - For Personal Use Only
    </copyright>
    <generator>NPR API RSS Generator 0.94</generator>
    <language>en</language>
    <itunes:new-feed-url>https://www.npr.org/rss/podcast.php?id=510298</itunes:new-feed-url>
    <itunes:summary>
      <![CDATA[
        The TED Radio Hour is a journey through fascinating ideas: astonishing inventions, fresh approaches to old probl
        theme - such as the source of happiness, crowd-sourcing innovation, power shifts, or inexplicable connections. T
      ]]>
    </itunes:summary>
    <itunes:subtitle>
      <![CDATA[
        The TED Radio Hour is a journey through fascinating ideas: astonishing inventions, fresh approaches to old probl
        theme - such as the source of happiness, crowd-sourcing innovation, power shifts, or inexplicable connections. T
      ]]>
    </itunes:subtitle>
```

How It Works (cont.)

How It Works (cont.)

```cpp
while(!xml.atEnd() && !xml.hasError()) {
    // Read next element
    QXmlStreamReader::TokenType token = xml.readNext();
    //If token is just StartDocument - go to next
    if(token == QXmlStreamReader::StartDocument) {
            continue;
    }
    //Description for Podcast
    if(xml.name() == "rss"){
        xml.readNext();
        }
    if(xml.name() == "channel"){
        xml.readNext();
    }
    if(xml.qualifiedName() == "itunes:explicit" && !explicitReached){
        podcastExplicit = xml.readElementText();
        explicitReached = true;
    }
    if(xml.qualifiedName() == "itunes:category" && !categoryReached){
        podcastCategory = xml.attributes().value("text").toString();
        categoryReached = true;
    }
    if(xml.qualifiedName() == "itunes:author" && !authorReached){
        podcastAuthors = xml.readElementText();
        authorReached = true;
    }
    if(xml.name() == "description" && !DescReached){
            podcastDescription += "<h3>Podcast Description:</h3>";
            podcastDescription += xml.readElementText();
            //Check boolean if podcast description has already been taken
            DescReached = true;
    }
    if(token == QXmlStreamReader::StartElement) {
        if(xml.name() == "title" && xml.prefix().isEmpty() && firstSkipped) {
            Episodes << xml.readElementText();
        }
        if(xml.name() == "item" && !firstSkipped){
            firstSkipped = true;
        }
    }
 }

xml.clear();
xmlFile.close();
```

How It Works (cont.)

```json
{
    "Podcasts": [
        {
            "podcastName": "TED Radio Hour",
            "rssLink": "https://www.npr.org/rss/podcast.php?id=510298"
        },
        {
            "podcastName": "Risky Business",
            "rssLink": "https://risky.biz/feeds/risky-business/"
        }
    ]
}
```

The Application