Senate Voting System Process

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User Case/Stories

UC-ACD-1: View a list of political parties

UC-ACD-2: View details of a political party

UC-ACD-3: Add a political party

Github

Active branches

| Branch	Update			PR
`list_of_parties`	Updated a day ago by a1724402	59 | 9	#12	Open 🗑
`valid_vote_checker`	Updated 2 days ago by a1720458	1 | 0	#11	Merged 🗑
`voting_style`	Updated 5 days ago by a1725532	22 | 0	New pull request	🗑
`edit_page_tests`	Updated 5 days ago by a1720458	25 | 0	#10	Merged 🗑
`votes`	Updated 5 days ago by XUXINCHEN	25 | 0	#9	Merged 🗑

Agile Testing

- Requirements and functionality developed gradually
- Continuous process that starts at very start of project
- Test Gems used:
  - Rspec
  - Cucumber

Behaviour Driven Development

- Gherkin syntax makes it easy to read and understand tests
- Allowed for a more focused development
- Removes any ambiguity
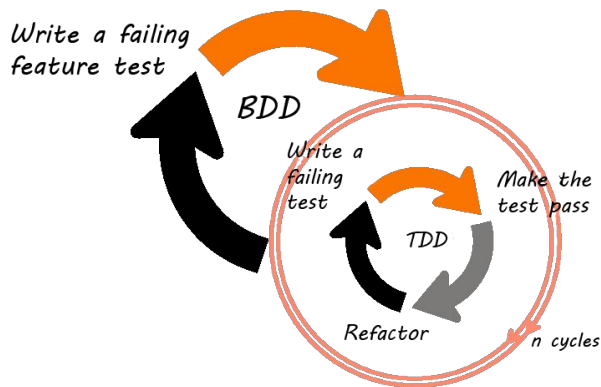
Unit Tests With Rspec

- Used for Edit, Create, Destroy functionality
- FactoryBot Gem to make testing easier

All Files (98.73% covered at 3361.45 hits/line)

15 files in total. 248 relevant lines. 225 lines covered and 23 lines missed

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
app/validators/formal_vote_validator.rb	100.0 %	69	37	37	0	10912.0
app/models/vote.rb	100.0 %	4	3	3	0	2.0
app/models/party.rb	100.0 %	19	10	10	0	12.4
app/models/candidate.rb	100.0 %	8	5	5	0	2.0
app/models/application_record.rb	100.0 %	3	2	2	0	2.0
app/helpers/parties_helper.rb	100.0 %	2	1	1	0	2.0
app/helpers/candidates_helper.rb	100.0 %	2	1	1	0	2.0
app/controllers/candidates_controller.rb	97.14 %	80	35	34	1	7.0
app/controllers/application_controller.rb	96.97 %	78	33	32	1	39.6
app/helpers/application_helper.rb	95.0 %	70	40	38	2	10687.8
app/controllers/votes_controller.rb	98.46 %	64	26	23	3	9.4
app/helpers/votes_helper.rb	99.24 %	39	17	15	2	14.0
app/controllers/parties_controller.rb	95.0%	75	32	24	8	6.3
app/mailers/application_mailer.rb	0.0 %	4	4	0	4	0.0
app/jobs/application_job.rb	0.0 %	2	2	0	2	0.0

Showing 1 to 15 of 15 entries

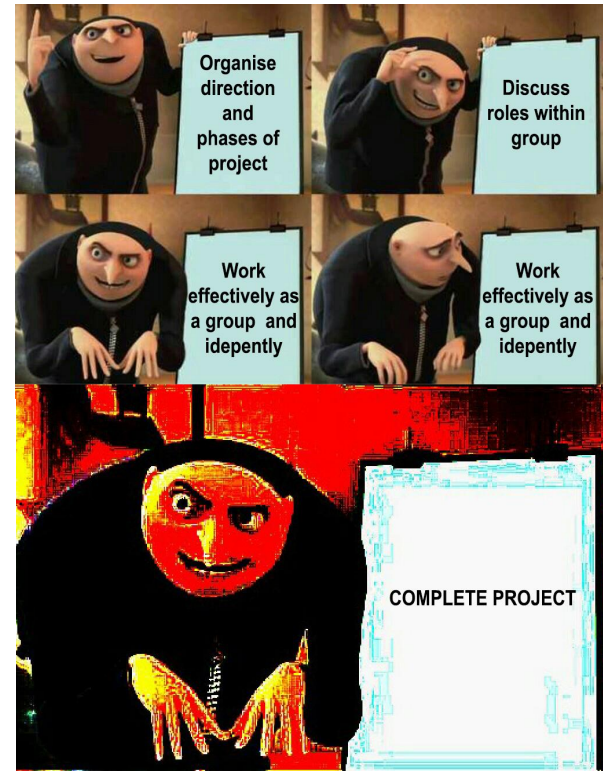# Architecture
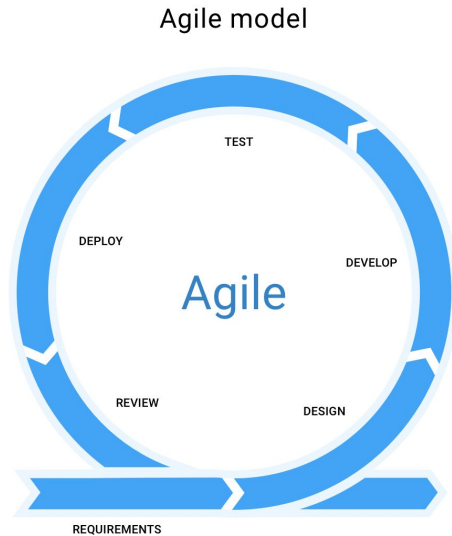
- MVC
- Nested Resources

```ruby
scope '/admin' do
  resources :parties do
    resources :candidates
  end
end
```

Improvements

Agile model

Questions?