Anna Wesolowski
Chevy Mac
Julianna Gabler
James Schuler

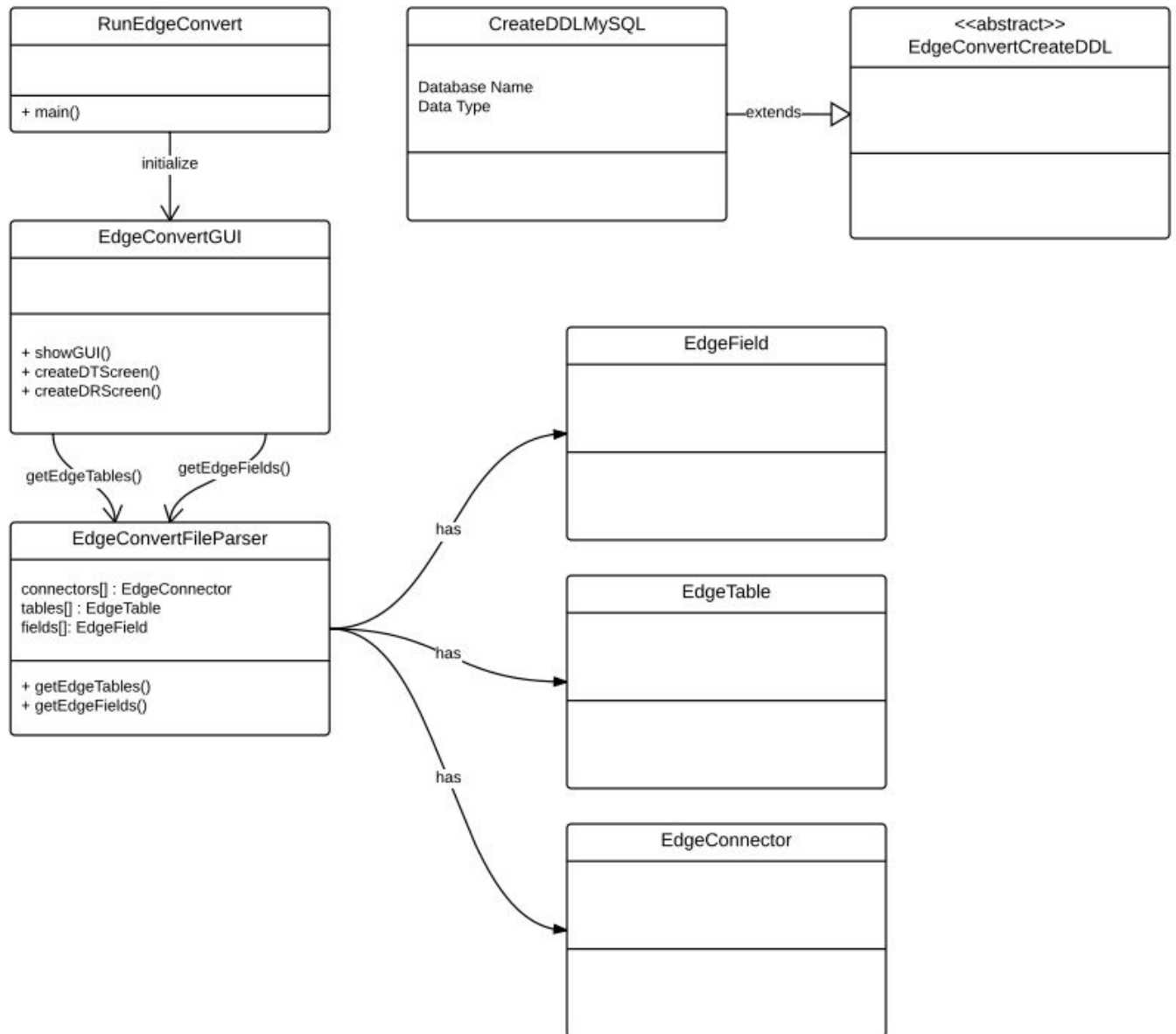# Milestone #2

SDLC Description:

We are planning to use Scrum for our project. First and foremost, since we are a relatively small team, Scrum works for our small project where our requirements are unknown. Our main goal is to transfer the existing product to a new platform. Considering that we do this project for free, Scrum saves us money. It allows us to receive feedback from our customers, if they have concerns pertaining to our application.

Scrum Product Backlog

Tasks	Estimated Hours	Priority
Test the DDL code	1	3
Refactor the DDL code (fix redundancies - object)	10	1
Test the refactored code	1	2
Write a description of what is changed in the code	1	4
Add help system	2	5
A Deployment strategy and related deployment packaging	2	6

Flow Charts

UML:

RunEdgeConvert
+ main()

initialize

EdgeConvertGUI
+ showGUI()
+ createDTScreen()
+ createDRScreen()

getEdgeTables()   getEdgeFields()

EdgeConvertFileParser
connectors[] : EdgeConnector
tables[] : EdgeTable
fields[]: EdgeField
+ getEdgeTables()
+ getEdgeFields()

CreateDDLMySQL
Database Name
Data Type

extends

<>
EdgeConvertCreateDDL

EdgeField

has

EdgeTable

has

has

EdgeConnector

State Transition:

```
                              ┌─────────────┐
      ●──────────────────────▶│ request file│
                              └─────────────┘
                                 │      ▲
                      False      │      │
                   failed validation   │
                                 │      │
                                 ▼      │
                          ┌────────┐    │
                          │  .XML  │    │
                          └────────┘    │
                           │      │ true │
                           ▼      │      │
                        ┌──────┐  │  ┌──────┐
                        │ .json│──┼─▶│ .edg │
                        └──────┘  │  └──────┘
                         │ true   │      │ true
                         ▼        │      │
                   ┌──────────────┐       │
                   │   request    │◀──────┘
                   │ Database type│────── MySQL
                   └──────────────┘
                          ▲              SQLite
             False;       │                 SQL
         failed convert to DDL           Oracle
                   Microsoft Access      Teradata
                        Oracle
                  ┌────────────────┐
                  │  generate DB   │
                  │   statements   │
                  └────────────────┘
                          │
                          ▼
                         ●  Final output file
```

request file

.XML

.json

.edg

request
Database type

MySQL

SQLite

SQL

Oracle

Oracle

Teradata

Microsoft
Access

generate DB
statements

Final output file

False
failed validation

False;
failed convert to DDL

true

true

true

true

true

true

true

true

true

true